

Jarrell, Noble

From: Jiang, Dong
Sent: Monday, March 27, 2006 5:02 PM
To: Jarrell, Noble
Subject: 09/766,511 - interference search

ETD = ~~10/10/06~~ 9/10/99 (09/393,996)
McCarthy, S.A.

Please do an interference search for 1) SEQ ID NO:51 and 52 (nt.)
2) SEQ ID NO:53 (aa.,
standard & against nt databases)

Please send results on paper to Dong Jiang in REM 4D70 (mail
stop REM 4C70).

Thank you very much.

Dong

Dong Jiang

AU1646
REM - 4D70
571-272-0872
Mail stop REM - 4C70

Noble
Jin 3/29/06
SPK
SOM
Sng
lac
compugen

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 28, 2006, 08:19:14 ; Search time 556.874 Seconds
(without alignments)
9939.997 Million cell updates/sec

Title: US-09-766-511B-51
Perfect score: 3114
Sequence: 1 cttaattgttggaagtctctt.....tttaaaaaaaaaaaaaa 3114

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues
Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA.*
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2: /cgn2_6/ptodata/1/ina/5/COMB.seq.*
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8: /cgn2_6/ptodata/1/ina/RE/COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	379.2	12.2	1227	3	US-08-772-440-3
2	303.2	9.7	501	3	US-08-772-440-20
3	260.2	8.4	393	3	US-08-772-440-22
4	197	6.3	1104	3	US-09-111-470-1
5	197	6.3	1104	3	US-09-862-802A-1
6	197	6.3	1271	3	US-09-949-002-120
7	161.6	5.2	334	3	US-09-016-434-698
8	137.4	4.4	1418	3	US-09-111-470-7
9	137.4	4.4	1418	3	US-09-862-802A-7
10	117.4	3.8	997	3	US-09-907-794A-376
11	117.4	3.8	997	3	US-09-905-125A-376
12	117.4	3.8	997	3	US-09-902-775A-376
13	117.4	3.8	997	3	US-09-906-700-376
14	117.4	3.8	997	3	US-09-903-603A-376
15	117.4	3.8	997	3	US-09-904-920A-376
16	117.4	3.8	997	3	US-09-909-064-376
17	117.4	3.8	997	3	US-09-905-381A-376
18	117.4	3.8	997	3	US-09-906-618-376
19	117.4	3.8	997	3	US-09-906-646-376
20	117.4	3.8	997	3	US-09-904-462-376
21	117.4	3.8	997	3	US-09-902-736A-376
22	117.4	3.8	997	3	US-09-906-722A-376
23	97.6	3.1	145	3	US-08-772-440-42
24	94.4	3.0	152	3	US-08-772-440-40

25	94.4	3.0	10409	3	US-08-772-440-33	Sequence 33, Appl
26	89.6	2.9	2076	3	US-09-489-847-51	Sequence 51, Appl
27	79.2	2.5	116	3	US-08-772-440-41	Sequence 41, Appl
28	79	2.5	38611	3	US-09-949-002-649	Sequence 649, App
29	79	2.5	38611	3	US-09-949-002-809	Sequence 809, App
30	77	2.5	2059	3	US-09-489-847-119	Sequence 119, App
c 31	75.4	2.4	23094	3	US-09-949-016-13468	Sequence 13468, A
32	75.4	2.4	193169	3	US-09-949-016-15091	Sequence 15091, A
33	74.2	2.4	1141	3	US-09-806-708B-22	Sequence 22, Appl
c 34	74.2	2.4	451924	3	US-09-949-016-12896	Sequence 12896, A
c 35	74.2	2.4	451925	3	US-09-949-016-17305	Sequence 17305, A
c 36	73.4	2.4	175285	3	US-09-949-016-16089	Sequence 16089, A
37	73.2	2.4	4072	3	US-09-245-041-16	Sequence 16, Appl
38	73.2	2.4	4072	3	US-09-358-055B-16	Sequence 16, Appl
39	73.2	2.4	4072	3	US-09-893-238-16	Sequence 16, Appl
c 40	72.6	2.3	439	3	US-09-513-999C-24454	Sequence 24454, A
c 41	72.6	2.3	601	3	US-09-949-016-154968	Sequence 154968, A
c 42	72.6	2.3	51101	3	US-09-949-016-12859	Sequence 12859, A
c 43	72.6	2.3	51101	3	US-09-949-016-17036	Sequence 17036, A
c 44	72.6	2.3	385136	3	US-09-949-016-16073	Sequence 16073, A
45	72.4	2.3	209210	3	US-09-949-016-15094	Sequence 15094, A

ALIGNMENTS

RESULT 1
US-08-772-440-3
; Sequence 3, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1227 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-772-440-3

Query Match 12.2%; Score 379.2; DB 3; Length 1227;
Best Local Similarity 73.8%; Pred. No. 7.2e-74;
Matches 555; Conservative 0; Mismatches 178; Indels 19; Gaps 5;
QY 40 GCAGTTTGTGCTAGCTCTCTTTTAAATGAAGCTGAGTCTCTGGCAACATCTTT 99

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Db 39 GGAAGTGGATTCGAACTCGGCTCTTTGACAGAGCCAGGTCCTCGATGCTATTTT- 97
Qy 100 AGGAGAGAGGTACAAAAGGTTCTGACACTTCTCAACACAGGAGCCTGCATAATGATG 159
Db 98 --GGAGACAGATGCAAGAAACCCCT-GACCTTCTGAACATA---CACCTCAACAATGGTG 151
Qy 160 CAAGAGCAGCAACTCAAGATACAGAGAAAGGCTGGTTGCTCCCTGAGACTCTGGTCT 219
Db 152 CAGGAAGAACAATCCCA-----AGGAAGGAGTCTGTGSAACCTTGAGACTCTGGTCA 205
Qy 220 GTGGCTGGGATTTCCATTTGCACTCCTCAGTGCCTTCTGCTTCTTCAATTTGAGCTGTGAGTAACT 279
Db 206 GCTGCTGTGATTTCCATTTACTTCTGAGTACCTGTTTCAATTCGAGCTGTGGTGACT 265
Qy 280 TACCATTTTACATATATGATGAACTGGCAAAAGGCTGTCTGAATACACTCATATCATTTCA 339
Db 266 TACCAATTTTATTGACACGCCAGTAGAAGACTATATGAACCTTCACACATACCACTTCC 325
Qy 340 AGTCTCACCTGCTTCAGTGAAGGACAAAGGTGCCAG-----CCTGGGATGTTGCCCA 393
Db 326 AGTCTCACCTGCTTCAGTGAAGGACTATGGTGTCAAGAAAAAATGTGGGATGCTGCCCA 385
Qy 394 GCTTCTTGGAGTCAATTTGGTTCAGTTCAGTTCCTTCTTCAATTTCCAGTGAAGAGGTTGG 453
Db 386 AATCACTGGAGTCAATTTGGCTCCAGCTGCTACTCATTTCTACCAAGGAACTTCTGG 445
Qy 454 TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTGTGTTTCAACACAGAA 513
Db 446 AGCACCACTGAGCAGAACTGTGTTGAGATGGGCTCATCTGGTGGTGATCAATCTGAA 505
Qy 514 GCAGAGCAGAAATTCATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTCTGGGGCTT 573
Db 506 GCGGAGCAGAAATTCATCACCCAGCAGCTGAATGAGTCAATTTCTTACTTCTTGGGCTT 565
Qy 574 TCAGACCCCAAGTGAATAATAATTGCAATGAAATGATTAAGACACCTTATGAGAAAAAT 633
Db 566 TCGGATCCACAGAGTAATGCAATGCAATGCAATGATGATGATCTCTTTCAGTCAAAAT 625
Qy 634 GTCAGATTTTGGCACTAGTGAGCCCAATCATTTCTGAGAGCAATGTCTTCAATAGTC 693
Db 626 GTCAGGTTCTGGCACCCCAATGAACCAATCTTCCAGAGAGCGGTGTGTTTCAATAGTT 685
Qy 694 TTTGGAACCTACAGATGGGCTGGAATGATGTTATCTGTGAACTAGAAAGAAATTC 753
Db 686 TACTGGAATCCTTCGAAATGGGCTGGAATGATGTTTCTGTGATAGTAAACAAATTC 745
Qy 754 ATATGTGAGATGAATAAGATTTACCTATGAGT 785
Db 746 ATATGTGAATGAAGAGATTTACCTATGAGT 777
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RESULT 2
US-08-772-440-20
; Sequence 20, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTDX:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 501 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-772-440-20

Query Match 9.7%; Score 303.2; DB 3; Length 501;
Best Local Similarity 78.4%; Pred. No. 2.8e-57;
Matches 378; Conservative 0; Mismatches 98; Indels 6; Gaps 1;

Qy 305 GCAAAAGGCTGTCTGAACCTACACTCATATCATTTCAAGTCTCACTCTCTTCAAGTGAAGGGA 364
Db 20 GTAGAAGACTATATGAACCTTCACATACCTTCCAGTCTCACTCTCTTCAAGTGAAGGGA 79
Qy 365 CAAAAGTGCAG-----CCTGGGATGTTGCCAGCTTCTTTGGAAGTCAATTTGGTTCCA 418
Db 80 CTATGGTGTCAAAAAAATGTGGGATGCTGCCAAATCACTGGAAGTCAATTTGGCTCCA 139
Qy 419 GTTGCTACTTTCATTTCCAGTGAAGAGAGGTTTGGTCTAAGAGTGAAGAGAACTGTGTTG 478
Db 140 GCTGCTACCTCATTTCTACCAAGGAGAACTTCTGGAGCACCAGTGAAGAGAACTGTGTTT 199
Qy 479 AGATGGGAGCACATTTGGTGTGTTCAACACAGAGCAGAGAGAAATTTTCATTTGCCAGC 538
Db 200 AGATGGGCTCATCTGGTGGTGATCAATCTGAAGCGGAGCAAAATTTTCATCACCAGC 259
Qy 539 AGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTTTTCAGACCCCAAGGTAAATAATTT 598
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Qy 599 GGCATGATGATTAAGACACCTTATGAGAAAAAATGTAGATTTTGGCACCTAGGTGAGC 658
Db 320 GGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 379
Qy 659 CCAATCATTTCTGAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTTACAGGATGGGCT 718
Db 380 CCAATCTTCCAGAGAGCGGTGTGTTTCAATAGTCTTCTGGAAATCTTTCGAAATGGGCT 439
Qy 719 GGAATGATGTTATCTGTGAAACTAGAGGAATTTCAATATGTGAGATGAATAAGATTTACC 778
Db 440 GGAATGATGTTTCTGTGATAGTAAACACAAATTCATATGTGAAATGAAGAGATTTACC 499
Qy 779 TA 780
Db 500 TA 501

RESULT 3
US-08-772-440-22
; Sequence 22, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
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Db	897	ATGTTAATTGCTTGGTCTCCTCAAGGTCAGTTTGTGAGATGATGAAGATCCACTTATGAA	956
Qy	785	TAGAAGCTT	793
Db	957	CTGAACATT	965

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RESULT 5
US-09-862-802A-1
; Sequence 1, Application US/09862802A
; Patent No. 6756478
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Ford, John
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Saegland, Sem
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862.802A
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1104
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (242)..(952)
; OTHER INFORMATION:
; US-09-862-802A-1

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[illegible]

RESULT 7
US-09-016-434-698
; Sequence 698, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
;

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 698:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 334 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: EOSIHET02
; CLONE: 288246
; US-09-016-434-698

Query Match 5.2%; Score 161.6; DB 3; Length 334;
Best Local Similarity 68.4%; Pred. No. 3.5e-26;
Matches 221; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

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4 TCTAGTTGCTACTTTATTTCTACTGGGATGCAATCTTGGACTAAGAGTCAAAAGAACTGT 63

Qy 475 GTTCAGATGGAGCACATTTGGTTGTCTCAACACAGACAGACAGAGCAATTCATTGTC 534
Db |||||
64 TCTGTGATGGGGGCTGATCTGGTGGTGATCAACACCAGGGAAGAACAGGATTTTCATCAT 123

Qy 535 CAGCAGCTGAATGAGTCAATTTCTTATTTCTGGGGCTTTTCAGACCCACCAAGGTAATAAT 594
Db |||||
124 CAGNATCTGAAGAAATTCNCTTATTTCTGGGGCTGTGAGTCCAGGGGTGCGGA 183

Qy 595 AATTGGCAATGGATGTGATGAACACACCTTTATGAGAAAAATGTCAAGATTTTGGCACCTAGGT 654
Db |||||
184 CATTTGGCAATGGGTGACAGACACCAACATCAATGAAAAATGTCAATTTCTGGCACTCAGGT 243

Qy 655 GAGCCCAATCATTTCTGACAGACATGCTTCAATAGTCTTCTGGAAACCTACAGATGG 714
Db |||||
244 GAACCCCAATACCTTTGATGAGCGGTGTGGCATATAAATTTCCGTTTCTTCAGAAAGATGG 303

Qy 715 GGCTGGAATGATGTTATCTGTGA 737
Db |||||
304 GGCTGGAATWACATTCATCTGCA 326

RESULT 8
US-09-111-470-7
; Sequence 7, Application US/09111470
; Patent No. 6277959
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny

; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth E.M.
; APPLICANT: Ford, John
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Membrane Protein Genes;
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,470
; FILING DATE: 08-JUL-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/053,080
; FILING DATE: 09-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: SF0695
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-9196
; TELEFAX: (650) 496-1200
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 279..992
; NAME/KEY: misc. feature
; LOCATION: 1348
; OTHER INFORMATION: /note= "poly-A addition motif"
; US-09-111-470-7

Query Match 4.4%; Score 137.4; DB 3; Length 1418;
Best Local Similarity 61.6%; Pred. No. 1.1e-20;
Matches 257; Conservative 0; Mismatches 151; Indels 9; Gaps 2;

Qy 375 AGCTCTGGGATGTTGCCAGCTTCTTTGGAAGTCAATTTGGTTCAGATTGCTTCAATTC 434
Db |||||
584 AGTCTGGAGCTGTTGCCAAAGGATTTGGTGTCCACTGCTTCTTGGTTCC 643

Qy 435 CAGTGA-----AGAAAGTTTGGTCTAAGAGTGAAGCAACTGTGTGAGATGGAGC 488
Db |||||
644 CACAGTTTCTTCTATCATCAGCATCTTTGGAACCAAGAGTGAAGAGAACTGCTCCCGCATGGGTGC 703

Qy 489 ACATTTGGTTGTCTTCAACACAGACAGACAGAGATTTTCATTTGTCAGCAGCTGAATGA 548
Db |||||
704 TCATCTAGTGGTGATCCAAAGCCAGGAGAGGAGATTTTCATCACTGGGATCTTGGACAC 763

Qy 549 GTCATTTTCTTATTTTCTCGGGCTTTTCAGACCCACCAAGGTAATAATAATTTGGCAATGGAT 608
Db |||||
764 TCATGCTGCTTATTTTATAGGGTTGTGGGATAC---AGCCCATCGGCAATGGCAATGGGT 820

Qy 609 TGATAAGACACCTTATGAGAAAAATGTCAAGATTTTGGCACCTAGGTGAGCCCAATCATTC 668
Db |||||
821 TGATCAGACACCATATGAAAGAAAGTATCATTTCTGGCAAAATGGTGGTGGAGCCCGCAGCATGG 880

Qy 669 TGACAGCAATGCTTCAATAGTCTTCTGGAACCTACAGGATGGGGCTGGATGATGT 728
Db 881 CAATGAAAATGTGCTACTAATAATTTTACCCTGGAAGACTGGATGGGGCTGGAACGATAT 940
Qy 729 TATCTGTGAAACTAGAGGAAATCAATATGTGAGATGAATAAGATTTTACCTATGAGT 785
Db 941 CTCTTGCGAGTCTTAAACAGAGTGCAGTTTGTTCAGATGAAGAAAATAAATCTTATGAAT 997

RESULT 9
US-09-862-802A-7
; Sequence 7, Application US/09862802A
; Patent No. 6756478
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Ford, John
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Saeland, Sem
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862,802A
; PRIOR APPLICATION NUMBER: 2001-05-22
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 1418
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; NAME/KEY: CDS
; LOCATION: (279)..(992)
; OTHER INFORMATION: protein coding sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1348)..(1348)
; OTHER INFORMATION: poly-A addition motif
US-09-862-802A-7

Query Match 4.4%; Score 137.4; DB 3; Length 1418;
Best Local Similarity 61.6%; Pred. No. 1.1e-20;
Matches 257; Conservative 0; Mismatches 151; Indels 9; Gaps 2;

Qy 375 AGCTGGGGATGTTGCCAGCTCTTGGAAGTCAATTTGGTTCAGTTGCTACTTTCATTTC 434
Db 584 AGTCTGAGCTGTTGCCCAAGGATTTGGAGGCTATTTGGTTCACCTGCTACTTGGTTCC 643
Qy 435 CAGTGA-----ACAGAAGTTTGGTCTAAGACTGACGAGAACTGTTGAGATGGAGC 488
Db 644 CACAGTTTCTTCATCAGCATCTTGGAAACAGAGAGTGGAGAACTGCTCCCGCATGGTGC 703
Qy 489 ACATTTGGTGTGTTTCAACAGAGCAGACAGAAATTTCAATGTCAGCAGCTGAATGA 548
Db 704 TCATCTAGTGTGATCCAAAGAGAGAGAGAGATTTCACTGGGATCTTGGACAC 763
Qy 549 GTCATTTTCTTATTTCTGGGGCTTTTCAGACCCCAAGGTAAATAATTTGGCAATGAT 608
Db 764 TCATGCTGCTTATTTTATAGGTTGTGGATAC---AGGCCATCGGCAATGGCAATGGT 820
Qy 609 TGATAAGACACCTTATGAGAAAATGTCAGATTTTGGCACCTAGTGTAGGCCCAATCATTC 668
Db 821 TGATCAGACACCATATGAGAAAAGTATCACATTTCTGGCACAATGTTGAGCCACAGTGG 880
Qy 669 TGCAGAGCAATGTGCTTCAATAGTCTTCTGGAACCTACAGGATGGGGCTGGAATGATGT 728

Db 881 CAATGAAAATGTGCTACTAATAATTTTACCGTTGGAAGACTGGATGGGGCTGGAACGATAT 940
Qy 729 TATCTGTGAAACTAGAGGAAATTTCAATATGTGAGATGAATAAGATTTTACCTATGAGT 785
Db 941 CTCTTGCGAGTCTTAAACAGAGTGCAGTTTGTTCAGATGAAGAAAATAAATCTTATGAAT 997

RESULT 10
US-09-907-794A-376
; Sequence 376, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999

QY 287 TTACATATGTTGAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAGTCTCA 346
Db 248 TCTTTCAAACCTGTGATGAGAAAAGTT---TCAGCTACCTGAGAATTTTCACAGAGCTCT 304
QY 347 CTGCTTTCAGTGAAGGACAAAGGTCAGCCCTGGGATGTTGCCAGGCTTCTTGAAGT 406
Db 305 CTGCTACAAATATGATCA---GGTTCAGTCAAGAAATGTTGTCATTTGAAGTGGAAAT 361
QY 407 CATTTGGTTCCAGTGTCTACTTCAATTTCCAGTGAAGAGGTTTGGTCTAAGAGTGAGC 466
Db 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCAATTTCTGGGCGTTAAGTTTAA 421
QY 467 AGAAGTGTGTTGAGATGGGAGACATTTGTTGTTTCAACAGAGAGCAGACAGAAAT 526
Db 422 AGAAGTGTCTGAGGATGGGGGCTCACCTGGTGTGTTATCAACTCACAGGAGGAGCAGAAAT 481
QY 527 TCATTTGCCAGAGCTGAATGAGTCATTTTCTTATTTTCTGGGCTTTTCAGACCCACAAG 586
Db 482 TCCTTTTCCATCAAGAACTAAATGAGAGAGTTTATTTGAGTGTCTGACAGCAGGTTG 541
QY 587 GTAATAATTAATGGCAATGATGATGAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 646
Db 542 TCGAGGCTGAGTGGCAATGGTGGAGCGCACACCTTTGACAAAAGTCTCTGAGCTTCTGGG 601
QY 647 ACCTAGTGTAGCCCAATCA-----TTCTCCAGAGCAATGCTTCAATAGTCTTCTGGA 700
Db 602 ATGTAGGGGAGGCCCAACAACATAGTACCTGGAGGAGCTGTGCCACCATGAGAGACTCT 661
QY 701 AACCTACAGATGGGCTGGAATGATGTTATCTGTGAACATAGAGAAATTCATATGTTG 760
Db 662 CAAACCCAGGCAAAATTTGGAATGATGTAACCTGTTTCTCAATATTTTCGGATTTG 721
QY 761 AGATG 765
Db 722 AAATG 726

RESULT 12

US-09-902-775A-376

; Sequence 376, Application US/09902775A

; Patent No. 6686451

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: KJavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/902,775A

; CURRENT FILING DATE: 2001-07-10

; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-902-775A-376

Query Match 3.8%; Score 117.4; DB 3; Length 997;

Best Local Similarity 54.4%; Pred. No. 2.6e-16;

Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;

QY 170 AACCTCAAAGTACAGAGAAAAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG 226
Db 128 AAACACAATGCACAGAGAGAGATGCTTCTCTTCCCAAAATGTTTATGGACTGTGGCTG 187
QY 227 GGATTTCCATTGCACCTCCTCAGTGTGCTTCAATGTGAGCTGTGTAGTAACCTTACCAAT 286
Db 188 GGATCCCATCCCTATTTCATGCTGCTGTTTCATCACCAGATGTGTGTGACATTTGCGCA 247
QY 287 TTACATATGTTGAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTTCAAGTCTCA 346
Db 248 TCTTTCAAACCTGTGATGAGAAAAGTT---TCAGCTACCTGAGAAATTTTCACAGAGCTCT 304
QY 347 CTGCTTTCAGTGAAGGGAACAAAGGTGCCAGCTGGGATGTTGCCAGCTTCTTGAAGT 406
Db 305 CTGCTACAAATATGATGATCA---GGTTCAGTCAAGAAATGTTTGTCTTCAAGTGGAAAT 361
QY 407 CATTTGGTTCAGTGTCTACTTCAATTTCCAGTGAAGAGGTTTGGTCTTAAGAGTGAGC 466
Db 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCTGGGCGTTAAGTTTAA 421
QY 467 AGAAGTGTGTTGAGATGGGAGCACAATTTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 526
Db 422 AGAAGTGTCTGAGCCATGGGGGCTCACCTGGTGTGTTTCAACTCACAGGAGGAGCAGAAAT 481
QY 527 TCATTTGCCAGAGCTGAATGAGTCAATTTTCTTATTTTCTGGGCTTTTCAGACCCACAAG 586
Db 482 TCCTTTTCTTCTACAGAAAAACCTTAAATGAGAGAGATTTTATTTGAGCTGTCTGACACGAGTTG 541

QY 587 GTAATAATAATGTCGAATGATTAAGACACACCTTATGAGAAAAATGTGAGATTTGGC 646
Db TCGAGGGTCAATGTCGAATGGGTGACGCGCACACCTTTGACAAAGTCTCTGAGCTTCTGGG 601
QY 647 ACCTAGGTGAGCCCAATCA-----TTCTGCAGAGCAATGCTTCAATAGTCTTCTGGA 700
Db ATGTAGGGGAGCCCAACACATAGTACCTTGGAGGACTGTGCCACCATGAGAGACTCTT 661
QY 701 AACCTACAGGATGGGCTGGAATGATTTATCTGTGAAACTAGAGGAATTCATATGTG 760
Db CAAACCAAGGCAAAATGGAAATGATGTAACCTGTTTCTCTCAATATTATTCGGATTGTG 721
QY 761 AGATG 765
Db 722 AAATG 726

RESULT 13

US-09-906-700-376

; Sequence 376, Application US/09906700

; Patent No. 6723535

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/906,700

; CURRENT FILING DATE: 2000-09-18

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/23089

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-700-376

Query Match 3.8%; Score 117.4; DB 3; Length 997;
Best Local Similarity 54.4%; Pred. No. 2.6e-16;
Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;

QY 170 AACCTCAAAATACAGAGAAAAGAGGCTGGTGTGTC--TGAGACTCTGCTGTGCTGCTG 226
Db 128 AACACAAATGCACAGAGAGGATGCTCTCTTCCCAAATGTTTATGAGCTGTTGCTG 187
QY 227 GGATTTCCATTTGCATCTCTCAGTCTGCTTCTTATTTGAGCTGTGTAGTAACATTAC 286
Db 188 GGATCCCATCTCTTATTTCTCAGTGCCTGTTTCATCCAGATGTGTGTGACATTTGCG 247
QY 287 TTACATATGTTGAACTGGCAAAAGGCTGCTGTAACACTACATCATATCAATTCAGTCTCA 346
Db 248 TCTTTCAAACTGTGTATGAGAAAAAGTT---TCAGTACTGAGAAATTTTCACAGAGCTCT 304
QY 347 CCTGCTTCAAGTGAAGGACAAAGGTGCCAGCTGGGGATGTTTCCAGCTTCTTGGAAAGT 406
Db 305 CCTGCTACAATATATGATCA---GGTTCAAGTCAAGAAATTTGTTGCCATTTGAACTGGGA 361
QY 407 CATTTGGTTCCAGTTGCTACTTCAATTTCCAGTGAAGAGAGGTTTGGTCTAAGAGTGAGC 466
Db 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCACTTTCTCGGGCTTAAAGTTAA 421
QY 467 AGAAGTGTGTGAGATGGGAGCACATTTGGTTGTGTTTCAACACAGAGAGCAGAGAAAT 536
Db 422 AGAAGTGTGTGAGATGGGAGCACATTTGGTTGTGTTTCAACACAGAGAGCAGAGAAAT 481
QY 527 TCATTTGTCAGAGCTGGAATGAGTCAATTTTCTTTATTTTCTGGGGCTTTTCAGACCCCAAG 586
Db 482 TCCTTTCTTACAAGAAACCTAAATGAGAGAGTGTGTTTATTTGAGCTGTGAGACCTGAG 541
QY 587 GTAATAATAATTTGGCAATGATTTGATAGACACCTTATGAGAAAAATGTCAGATTTTGGC 646
Db 542 TCGAGGGTCAATGTCGAATGGGTGAGCGGCACACCTTTGACAAAGTCTCTGAGCTTCTGG 601
QY 647 ACCTAGGTGAGCCCAATCA-----TTCTGCAGAGCAATGCTTCAATAGTCTTCTGGA 700
Db 602 ATGTAGGGGAGCCCAACACATAGTACCTGAGAGACTGTGCCACCATGAGAGACTCTT 661
QY 701 AACCTACAGGATGGGCTGGAATGATTTATCTGTGAAACTAGAGGAATTCATATGTG 760
Db 662 CAAACCAAGGCAAAATTTGGAATGATGTAACCTGTTTCTCTCAATATTATTTTCGGATTGTG 721
QY 761 AGATG 765
Db 722 AAATG 726

RESULT 14

US-09-903-603A-376

; Sequence 376, Application US/09903603A

; Patent No. 6767995

GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, David
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C12
; CURRENT APPLICATION NUMBER: US/09/903.603A
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-603A-376

Query Match 3.8%; Score 117.4; DB 3; Length 997;

Best Local Similarity 54.4%; Pred. No. 2.6e-16;
Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;
QY 170 AACCTCAAGTACAGAGAAAGAGGCTGTTGCTCC--TGAGACTCTGGTGTGGCTG 226
DB 128 AAACACAATGCACAGAGAGGATGCTCTCTTCCCAAATGTTCTTATGGACTGTGCTG 187
QY 227 GGATTTCCATTGCACCTCCCTCAGTGTGCTTCAATGTGTAGCTGTGTAGTAACATTACCAATT 286
DB 188 GGATCCCCATCTATTTCTCAGTGTGCTTTCATCACCAGATGTGTGTGACATTTCCGA 247
QY 287 TTACATATGGTGAAGCTGCTGCAAAAGGCTGCTGAACTACACTCATATCATTTCAAGTCTCA 346
DB 248 TCTTTCAAACCTGTGATGAGAAAAAGTT---TCAGCTACCTGAGAATTTTCACAGAGCTCT 304
QY 347 CCTGCTTCAAGTGAAGGGCAAAAGGTCAGCTGGGGATGTTGCCCGAGCTTCTTGAAGCT 406
DB 305 CCTGCTACAATTTATGGATCA---GGTTCAAGTCAAGAAATTTGTTGTCATTTGAACTGGGAAT 361
QY 407 CATTTGGTTCCAGTTGCTACTTTCAATTTCCAGTGAAGAGAGGTTTGGTCTTAAGAGTGAGC 466
DB 362 ATTTCAATCCAGCTGCTACTTTCTTTCTACTGACACCAATTTCTGGGCGTTAAGTTTAA 421
QY 467 AGAAGTGTGTGAGATGGGAGCACATTTGGTGTGTGTTTCAACACAGAGAGAGAGCAAGATT 526
DB 422 AGAAGTGTGTGAGATGGGAGCACATTTGGTGTGTGTTTCAACACAGAGAGAGAGCAAGATT 481
QY 527 TCATTTGTCAGAGCTGGAATGAGTCAATTTCTTATTTCTGGGGCTTTCAGAGCCCAAG 586
DB 482 TCCTTTCTCAAGAAACCTTAAATGAGAGAGATTTTTTATTTGGACTGTTCAGACCAAGTTG 541
QY 587 GTAATAATATTGGCAATGGATTGATAAGACACCTTTATGAGAAAAATGTTCAGATTTTGGC 646
DB 542 TCGAGGGTCAGTGGCAATGGTGGAGCGGCACACCTTTGACAAAGTCTCTGAGCTTCTGGG 601
QY 647 ACCTAGGTGAGCCCAATCA-----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 700
DB 602 ATGTAGGGGAGCCCAACACATAGCTACCTCGAGGACTGTGCCACCATGAGAGACTCTT 661
QY 701 AACCTACAGATGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTCATATGTG 760
DB 662 CAAACCCAAAGGCAAAATTTGGAATGATGTAACCTGTTTCTCTCAATTTTTCGGATTGTG 721
QY 761 AGATG 765
DB 722 AAATG 726
RESULT 15
US-09-904-920A-376
; Sequence 376, Application US/09904920A
; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, David
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.

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OM nucleic - nucleic search, using sw model

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(without alignments)
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Scoring table: IDENTITY NUC

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/H_COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq.*
- 7: /cgn2_6/ptodata/1/ina/PP_COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	192	30.6	1104	3	US-09-111-470-1
5	192	30.6	1104	3	US-09-862-802A-1
6	192	30.6	1271	3	US-09-949-002-120
7	161.6	25.8	334	3	US-09-016-434-698
8	134	21.4	1418	3	US-09-111-470-7
9	134	21.4	1418	3	US-09-862-802A-7
10	117.4	18.7	997	3	US-09-907-794A-376
11	117.4	18.7	997	3	US-09-905-125A-376
12	117.4	18.7	997	3	US-09-902-775A-376
13	117.4	18.7	997	3	US-09-906-700-376
14	117.4	18.7	997	3	US-09-903-603A-376
15	117.4	18.7	997	3	US-09-904-920A-376
16	117.4	18.7	997	3	US-09-909-064-376
17	117.4	18.7	997	3	US-09-905-381A-376
18	117.4	18.7	997	3	US-09-906-618-376
19	117.4	18.7	997	3	US-09-906-646-376
20	117.4	18.7	997	3	US-09-904-462-376
21	117.4	18.7	997	3	US-09-902-736A-376
22	117.4	18.7	997	3	US-09-906-722A-376
23	94.6	15.1	145	3	US-08-772-440-42
24	94.4	15.1	152	3	US-08-772-440-40

25	94.4	15.1	10409	3	US-08-772-440-33	Sequence 33, Appl
26	89.6	14.3	2076	3	US-09-489-847-51	Sequence 51, Appl
27	79.2	12.6	116	3	US-08-772-440-41	Sequence 41, Appl
28	77	12.3	2059	3	US-09-489-847-119	Sequence 119, App
29	60	9.6	101	3	US-08-772-440-39	Sequence 39, Appl
30	58.4	9.3	92	3	US-08-772-440-38	Sequence 38, Appl
31	58.2	9.3	2318	3	US-09-620-312D-733	Sequence 733, App
32	58	9.3	84	3	US-08-772-440-18	Sequence 18, Appl
33	52	8.3	10409	3	US-08-772-440-33	Sequence 33, Appl
34	47.6	7.6	1348	3	US-09-949-016-4090	Sequence 4090, Ap
35	44.8	7.1	1756	3	US-09-787-192-10	Sequence 10, Appl
36	44.2	7.0	763	3	US-09-919-039-129	Sequence 129, App
37	44.2	7.0	871	2	US-08-650-578-1	Sequence 1, Appl1
38	44.2	7.0	1271	3	US-09-949-016-931	Sequence 931, App
39	44.2	7.0	1364	3	US-09-949-016-329	Sequence 329, App
40	43.6	7.0	2291	3	US-09-799-451-175	Sequence 175, App
41	40.4	6.4	832	3	US-09-621-976-2813	Sequence 2813, Ap
42	40.2	6.4	301	3	US-09-222-575-29	Sequence 29, Appl
43	40.2	6.4	301	3	US-09-389-681-29	Sequence 29, Appl
44	40.2	6.4	301	3	US-09-620-405B-29	Sequence 29, Appl
45	40.2	6.4	301	3	US-09-339-338-29	Sequence 29, Appl

ALIGNMENTS

RESULT 1

US-08-772-440-3
; Sequence 3, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HEREMITH
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1227 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-772-440-3

Query Match 59.5%; Score 373.2; DB 3; Length 1227;
Best Local Similarity 76.1%; Pred. No. 1e-108;
Matches 475; Conservative 0; Mismatches 143; Indels 6; Gaps 1;
QY 10 GAGCAGCAACCTCAAAGTACAGAGAGAGGCTGGTTCCTCGAGACTCTGGTCTGTG 69

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: CONCURRENTLY HEREWITH
APPLICATION NUMBER: US/08/772,440
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTXD-493
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 393 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-772-440-22

Query Match 41.5%; Score 260.2; DB 3; Length 393;
Best Local Similarity 78.9%; Pred. No. 7.4e-73;
Matches 310; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 235 TGCCAGCTCTTGGAGTCAATTTGGTTCCAGTTGCTTACTTTCATTTCCAGTGAAGAGG 294
DB 1 TGCCCAATCACTGGAAGTCAATTTGGCTCCAGCTGCTACTTCAATTTCTCAAGGAGAAC 60
QY 295 GTTTGGTCTAAGAGTGAAGCAATCTGTGAGATGGGAGCACATTTGGTTGTTTCAAC 354
DB 61 TTCTGGAGCACCAGTGAGCAGAACTGTGTTCCAGATGGGGCTCATCTGGTGTGATCAAT 120
QY 355 ACAGAGCAGACAGCAATTTCAATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTCTG 414
DB 121 ACTGAAGCGGAGCAATTTTCATCACCAGCAGCTGAATGAGTCAATTTCTTACTTCTCTG 180
QY 415 GGGCTTTTCAGACCCACAGGTAATAATTTGGCAATGGATGATGAAGACACCTTATGAG 474
DB 181 GGTCTTTGGATCCCAAGGTAATGGCAATGGCAATGGATGATGATGATGATGATGATGAT 240
QY 475 AAAAATCTCAGATTTTGGCACCTAGTGTAGTGGCCCAATCATTTCTGAGAGCAATGTGCTTCA 534
DB 241 CAAAATGTCAAGTTCTGCGACCCCAATGATGATGATGATGATGATGATGATGATGATGAT 300
QY 535 ATAGTCTTCTGGAACCTACAGATGGGGCTGGAATGATGATGATGATGATGATGATGATGATG 594
DB 301 ATAGTTTACTGGAATCTTCCAAATGGGGCTGGAATGATGATGATGATGATGATGATGATGAT 600
QY 595 AATTCATATGTGAGATGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 627
DB 361 AATTCATATGTGAAATGAAGAGATTTACCTA 393

RESULT 4
US-09-111-470-1
; Sequence 1, Application US/09111470
; Patent No. 6277959
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth E.M.
; APPLICANT: Ford, John
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Membrane Protein Genes;
; TITLE OF INVENTION: Related Reagents
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue

CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,470
FILING DATE: 08-JUL-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-9196
TELEFAX: (650) 496-1200
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1104 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 242..952
US-09-111-470-1

Query Match 30.6%; Score 192; DB 3; Length 1104;
Best Local Similarity 68.0%; Pred. No. 7.7e-51;
Matches 283; Conservative 0; Mismatches 130; Indels 3; Gaps 1;

QY 215 AGTGCCAGCCTGGGAGTGTGCCAGCTTCTTGGAGTCAATTTGGTTCAGTTGCTACT 274
DB 537 AAGAGACGCTGGAGCTGTGCCCAAGAAATTTGGAAATCAATTTAGTTCCAACTGCTACT 596
QY 275 TCATTTCCAGTGAAGAGAGTGTGTTCTAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAG 334
DB 597 TTAATTTCTACTGATCAGCATCTTGGCAAGACAGTGAAGAGTGAAGAGTGAAGAGTGAAG 656
QY 335 CACATTTGTTGTTTCAACAGAGAGCAGAGCAATTTCAATTTGTCAGAGCAGCTGAATG 394
DB 657 CTCACCTGCTGTGATTAACACTCAAGAGAGCAGGATTTCAATTTCCAGAAATCTGCAAG 716
QY 395 AGTCATTTCTTATTTTCTGGGGCTTTCAGACCCACAGGTAATATAATTTGCAATGGA 454
DB 717 AAGAATCTGTTATTTTGTGGGGCTCTCAGATCCAGAGGTCAGCGACATTTGGCAATGGG 776
QY 455 TTGATAAGACACCTTATGAGAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCAAT 514
DB 777 TTGATCAGACACCATACATGAAGTTCCACATTTGGGATCCACGTGAGCCCAAGTATC 836
QY 515 CTGAGAGCAATGTGCTTCAATAGTCTTCTGAAA---ACCTACAGGATGGGGCTGGAATG 571
DB 837 CCAATGAGCGCTGCGTTGTCTAAATTTTCGTAATACCCCAAGAGATGGGGCTGGAATG 896
QY 572 ATGTTATCTGTGAAGACTAGAAGAAATTCATATGATGAGATGAATAGATTACCTA 627
DB 897 ATGTTAAATGTTCTGTTGCTCCTCAAGGTCAGTTGTTGAGATGATGAAGATCCACTTA 952

RESULT 5
US-09-862-802A-1
; Sequence 1, Application US/09862802A
; Patent No. 6756478
; GENERAL INFORMATION:

```
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Batee, Elizabeth Ester Mary
; APPLICANT: Ford, John
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Saeland, Sem
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862,802A
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 1104
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (242)..(952)
; OTHER INFORMATION:
; US-09-862-802A-1

Query Match 30.6%; Score 192; DB 3; Length 1104;
Best Local Similarity 68.0%; Pred. No. 7.7e-51;
Matches 283; Conservative 0; Mismatches 130; Indels 3; Gaps 1;

QY 215 AGTGCCAGCCTGGGGATGTTGCCAGCTTCTTGGAAAGTCATTGGTCCAGTTGCTACT 274
Db 537 AAGAGACAGCCTGGAGCTGTTGCCAAAGAAATGGAAGTCATTAGTTCCAACTGCTACT 596
QY 275 TCATTTCCAGTGAAGAGAGGTTTGGTCTTAAGAGTGCAGAGACTGTTGAGATGGAG 334
Db 597 TTATTTCTACTGATCAGCATCTTGGCAAGACAGTGAGAAGGACTGTGTAGAAATGGAGG 656
QY 335 CACATTTGGTGTGTTCAACAGAGAGAGAGCAATTTCAATTTGTCAGAGAGCTGAATG 394
Db 657 CTCACCTGCTGGTGATAACACTCAAGAGAGAGCAGGATTTTCATTTCCAGAAATCTGCAAG 716
QY 395 AGTCATTTCTTATTTTCTGGGGCTTTCAGACCCCAAGGTAATAATAATTTGSCAATGGA 454
Db 717 AAGAATCTGCTTATTTTGGGGCTCTCAGATCCAGAAGGTGAGCGACATTTGGCAATGGG 776
QY 455 TTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTTAGGTGAGCCCAATCAT 514
Db 777 TTGATCAGACACCATACATAATGAAGTTCCACATTTCTGGCATCCACGTGAGCCAGTGATC 836
QY 515 CTGACAGACAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGATGGGGCTGGAATG 571
Db 837 CCAATGAGCGCTGGTGTGTTAAATTTTCGTAATCACCACCAAGATGGGGCTGGAATG 896
QY 572 ATGTTATCTGTGAACTAGAGGAATTCATATGTCAGATGAATAGATTACCTA 627
Db 897 ATGTTAATTTGTTGGTCTCTAAAGGTGAGTTGTTGAGATGATGAAGATCCACTTA 952

RESULT 6
US-09-949-002-120
; Sequence 120, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
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; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120
; LENGTH: 1271
; TYPE: DNA
; ORGANISM: Human
; US-09-949-002-120

Query Match 30.6%; Score 192; DB 3; Length 1271;
Best Local Similarity 68.0%; Pred. No. 8.2e-51;
Matches 283; Conservative 0; Mismatches 130; Indels 3; Gaps 1;

QY 215 AGTGCCAGCCTGGGGATGTTGCCAGCTTCTTGGAAAGTCATTGGTCCAGTTGCTACT 274
Db 537 AAGAGACAGCCTGGAGCTGTTGCCAAAGAAATGGAAGTCATTAGTTCCAACTGCTACT 596
QY 275 TCATTTCCAGTGAAGAGAGGTTTGGTCTTAAGAGTGCAGAGCACTGTGTTGAGATGGAG 334
Db 597 TTATTTCTACTGATCAGCATCTTGGCAAGACAGTGAGAAGGACTGTGTAGAAATGGAGG 656
QY 335 CACATTTGGTGTGTTCAACAGAGAGAGAGCAATTTCAATTTGTCAGAGAGCTGAATG 394
Db 657 CTCACCTGCTGGTGATAACACTCAAGAGAGAGCAGGATTTTCATTTCCAGAAATCTGCAAG 716
QY 395 AGTCATTTCTTATTTTCTGGGGCTTTCAGACCCCAAGGTAATAATAATTTGSCAATGGA 454
Db 717 AAGAATCTGCTTATTTTGGGGCTCTCAGATCCAGAAGGTGAGCGACATTTGGCAATGGG 776
QY 455 TTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTTAGGTGAGCCCAATCAT 514
Db 777 TTGATCAGACACCATACATAATGAAGTTCCACATTTCTGGCATCCACGTGAGCCAGTGATC 836
QY 515 CTGACAGACAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGATGGGGCTGGAATG 571
Db 837 CCAATGAGCGCTGGTGTGTTAAATTTTCGTAATCACCACCAAGATGGGGCTGGAATG 896
QY 572 ATGTTATCTGTGAACTAGAGGAATTCATATGTCAGATGAATAGATTACCTA 627
Db 897 ATGTTAATTTGTTGGTCTCTAAAGGTGAGTTGTTGAGATGATGAAGATCCACTTA 952

RESULT 7
US-09-016-434-698
; Sequence 698, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
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ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 698:
SEQUENCE CHARACTERISTICS:
LENGTH: 334 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: ESIHET02
CLONE: 288246
US-09-016-434-698

Query Match 25.8%; Score 161.6; DB 3; Length 334;
Best Local Similarity 65.4%; Pred. No. 2.2e-41;
Matches 221; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 262 TCAGTTGCTACTTTCATTCAGAGAGAGAGAGTTGGTCTAAGAGTGGCAGAACTGT 321
Db 4 TCTAGTTGCTACTTTCATTCAGAGAGAGAGTTGGTCTAAGAGTGGCAGAACTGT 63
Qy 322 GTTCAGATGGGAGCAGACATTTGGTGTCTCAACAGAGCAGAGAGAAATTTTCATTGTC 381
Db 64 TCTGTGATGGGGCTGATCTGGTGTATCAACACAGGAGAGAGAGATTTTCATCAT 123
Qy 382 CAGCAGCTGAATGAGTCAATTTCTTATTTCTGGGGCTTTTCAGACCCACAGAGTAAAT 441
Db 124 CAGAATCTGAAAGAAAATTCCTNCTTATTTCTGGGGCTGTTCAGATCCAGGGGTGCGCGA 183
Qy 442 AATTGGCAATGGATTGATAGACACCTTATGAGAAAATGTCAGATTTTGGCACCCTAGGT 501
Db 184 CATTGGCAATGGGTGTGACGACACCATACAAATGAAAATGTCATTTCTGGCACTCAGGT 243
Qy 502 GAGCCCAATCATTTCTGCAGAGCAATGCTTCAATAGTCTTCTGGAAACCTACAGGATGG 561
Db 244 GAACCAATACCTTGATGAGCGTTGTGCGATATAAATTTCCGTTCTTCAGAGAAATGG 303
Qy 562 GGCTGGAATGATGTTATCTGTGA 584
Db 304 GGCTGGAATGATTCATCTGTCA 326

RESULT 8
US-09-111-470-7
Sequence 7, Application US/09111470
Patent No. 6277959
GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Ford, John
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane Protein Genes;
TITLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,470
FILING DATE: 08-JUL-1998
CLASSIFICATION:
PRIOR APPLICATION DATA: US 60/053,080
APPLICATION NUMBER: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SP0695
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-9196
TELEFAX: (650) 496-1200
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 279..992
NAME/KEY: misc feature
LOCATION: 1348-
OTHER INFORMATION: /note= "poly-A addition motif"
US-09-111-470-7

Query Match 21.4%; Score 134; DB 3; Length 1418;
Best Local Similarity 61.4%; Pred. No. 3e-32;
Matches 253; Conservative 0; Mismatches 150; Indels 9; Gaps 2;

Qy 222 AGCTGGGATGTTGCCAGCTTCTTGGAGTCAATTTGGTCTCCAGTGTCTACTTCATTTTC 281
Db 584 AGTCTGGAGCTGTTGCCAAAGATTTGGAGGCTATTTGGTCTCCACTGTCTACTTGGTTCC 643
Qy 282 CAGTGA-----AGAGAAAGTTTGGTCTAAGAGTGAAGAGAACTGTGTTGAGATGGGAGC 335
Db 644 CACAGTTTCTTCATCAGCATCTTGGAAACAGAGATGAGGAGAACTGTCTCCGCAATGGTGC 703
Qy 336 ACATTTGGTGTGTTCAACACAGAGACAGAGAGAAATTTCAATGTTCCAGCAGCTGAATGA 395
Db 704 TCATCTAGTGTGATCCAAAGCCAGGAGAGAGATTTTCATCACTGGGATCTTGGACAC 763
Qy 396 GTCAATTTCTTATTTCTGGGCTTTTCAGACCCCAAGAGTAAATAATTTGGCAATGGAT 455
Db 764 TCATGCTGCTTATTTATAGGTTTGGGATAC---AGGCCATCGGCAATGGCAATGGGT 820
Qy 456 TGATAAGACACCTTATGAGAAAATGTCAGATTTTGGCACCTAGGTGAGGCCCAATCATTC 515
Db 821 TGATCAGACACCATATGAGAAAGTATCATCTTGGCACATGTTGAGCCGACGAGTGG 880
Qy 516 TGCAGAGCAATGCTTCAATAGTCTTCTGGAAACCTACAGAGATGGGGCTTGGAAATGATGT 575
Db 881 CAATGAAAAATGCTACATAATTTACCGTTTGGAAAGACTGGATGGGGCTTGGAAACGATAT 940
Qy 576 TATCTGTGAACTAGAGGAAATTCATATATGTGAGATGAATAAGATTTTACCTA 627
Db 941 CTCTTGCAGTCTTTAAACAGAGAGTCACTTTTGTTCAGATGAAGAAAAATAAATTA 992

RESULT 9
US-09-862-802A-7
Sequence 7, Application US/09862802A
Patent No. 6756478
GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Ford, John
APPLICANT: Lebecque, Serge J.E.

```
; APPLICANT: Saeland, Sem
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862,802A
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 1418
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (279)..(992)
; OTHER INFORMATION: protein coding sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1348)..(1348)
; OTHER INFORMATION: poly-A addition motif
; US-09-862-802A-7

Query Match      21.4%; Score 134; DB 3; Length 1418;
Best Local Similarity 61.4%; Pred. No. 3e-32;
Matches 253; Conservative 0; Mismatches 150; Indels 9; Gaps 2;

QY      222 AGCTGGGATGTTGCCACGCTCTTGGAAAGTCATTTGGTTCCAGTTGCTACTTCATTTC 281
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      584 AGTCTGGAGCTGTTGCCCAAAGGATTGGAGGCTATTTGGTTCCCACTGCTACTTGGTTC 643
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      282 CAGTGA-----AGAGAAGGTTTGGTCTAAGAGTGACGACAACCTGTGTCAGATGGGAGC 335
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      644 CACAGTTCTTCATCAGCATCTTGGAAACAAGAGTGAGGAGAACTGCTCCCGCATGGGTGC 703
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      336 ACATTTGGTTGTGTTCAACACAGACGAGCAGAAATTCATTGTCCAGCAGCTGAATGA 395
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      704 TCATCTAGTGTGATCCAAAGCCAGGAAGACGAGGATTTCACTACCTGGGATCTTGGACAC 763
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      396 GTCATTTCTTATTTCTGGGCTTTTCAGACCCACAGGTAATAATTTGGCAATGGAT 455
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      764 TCATCTGCTGCTTATTTATAGGGTTGTGGGATAC---AGGCCATCGGCAATGGCAATGGT 820
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      456 TGATAACACACCTTATCAGAAAAATGTCAGATTTTGGCACCCTAGGTGAGCCCAATCATTC 515
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      821 TGATCAGACACCATATAGAAAGATATCAATCTGCGACAAATGGTGAGCCCAAGTGG 880
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      516 TGCAGACCAATGTGCTTCAATAGTCTTCTGGAACCTACAGGATGGGGCTGGAAATGATGT 575
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      881 CAATGAAAATGTCTACAATAATTTACCGTTGGAAGACTGGATGGGCTGGAAACGATAT 940
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      576 TATCTGGAACCTAGAGGAATTCAAATATGTGAGATGAATAAGATTTACCTA 627
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      941 CTCTTGCCTGCTTTAAACAGAGAGTCAGTTTGTGCATGAAGAAATAAAACCTTA 992
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 10
US-09-907-794A-376
; Sequence 376, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
```

```
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-907-794A-376

Query Match      18.7%; Score 117.4; DB 3; Length 997;
Best Local Similarity 54.4%; Pred. No. 5e-27;
Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;

QY      17 AACCTCAAGTACAGAGAAAGAGGCTGGTTGTCCC---TGACACTCTGCTGTGTGCTG 73
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      128 AAACACAATGCACAGAGAGAGGATGCTCTCTTCCCAATGTTCTTATGAGACTGTGCTG 187
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      74 GGATTTTCATTTGCATCCTCCTCAGTGTGCTTGTGCTTCAATGTGAGCTGTGTAGTAACCTTACCATT 133
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Db 188 GGATCCCAATCCTATTTCTAGTCGCTGTTTCATACACAGATGTTGTGACATTTTCGCA 247
Qy 134 TTACATATGTGTGAACCTGGCAAAAGGCTGTCTGAACCTACACTCATATCATTTCAAGTCTCA 193
Db 248 TCTTTCAACCTGTGATGAGAAAGT---TCAGCTACCTGAGAAATTCACAGAGCTCT 304
Qy 194 CTTGCTTCAGTGAAGGACAAAGTGCAGGCTGGGATGTGTCGCCAGCTTTCTTGGAAAT 253
Db 305 CTTGCTCAAAATATATGATCA---GGTTCACTCAAGAAATTTGTTCCTTGAACCTGGGAAT 361
Qy 254 CATTTGGTTCAGTTCCTACTTCTATTTCCAGTGAAGAGAGTTTGTCTAAGAGTGCAGC 313
Db 362 ATTTTCAATCCAGCTGCTACTTCTTTCTACTGACACCAATTTCTCTGGCGTTAAGTTAA 421
Qy 314 AGAACTGTGTGAGATGGGACACATTTGGTGTGTTTCAACACAGAGCAGAGCAGAAT 373
Db 422 AGAACTGTCTAGCCTAGGAGGCTCACCTGGTGTGTTTCAACTCACAGGAGGAGCAAGAT 481
Qy 374 TCATTTGCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGCTTTTCAGACCCACAAG 433
Db 482 TCCTTTCTCTACAAGAAACCTAAATGAGAGAGTTTATTTGGAGCTGTCAGACCGAGTTG 541
Qy 434 GTAATAATATTCGAATGATTCATTAAGACACCTTATGAGAAAAATGTGAGATTTTGGC 493
Db 542 TCGAGGGTCTAGTGGCAATGGGTGGACGGCACACCTTTGACAAAGTCTCTGAGCTTCTGGG 601
Qy 494 ACCTAGGTGAGCCCAATCA-----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 547
Db 602 ATGTAGGGGAGCCCAACACATAGCTACCTGGAGGAGTGTGCCACCATGAGAGACTTCT 661
Qy 548 AACCTACAGGATGGGCTGGGAATGATTTATCTGTGAACCTAGAAAGAAATTCATATGTG 607
Db 662 CAACACCAAGGCAAAATTTGAATGATGTAACTGTTTCTTCTCAATTTATTTTCGGATTTGTG 721
Qy 608 AGATG 612
Db 722 AAATG 726

RESULT 11

US-09-105-125A-376
; Sequence 376, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, David

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/905,125A

; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-905-125A-376

Query Match 18.7%; Score 117.4; DB 3; Length 997;

Best Local Similarity 54.4%; Pred. No. 5e-27;

Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;

Qy 17 AACCTCAAGTACAGAGAAAGAGGCTGTGTGCC---TGAGACTCTGTGTGTGGCTG 73
Db 128 AAACACAATGCACAGAGAGGATGCTTCTTCCCAATGTTCTTATGGACTGTGTGCTG 187
Qy 74 GGATTTCCATTGCACTCCTCAGTGTCTTTCATTGTGAGCTGTGTAGTAACCTTACCATT 133
Db 188 GGATCCCATCTCTATTTCTCAGTGCTGTGTTCATCACCAGATGTGTGTGACATTTGCGA 247
Qy 134 TTACATATGTGTGAACCTGGCAAAAGGCTGTGTGAACCTACATCATATTCATTCAGTCTCA 193
Db 248 TCTTTCAAACTGTGATGAGAAAGT---TCAGCTACCTGAGAAATTCACAGAGCTCT 304
Qy 194 CTTGCTTCAGTGAAGGACAAAGGCTGCCAGCTGGGGATGTGTGCCAGCTTCTTGGNAGT 253
Db 305 CTTGCTACAAATATATGATCA---GGTTCACTCAAGAAATTTGTGTCCATTTGAACCTGGGAAT 361
Qy 254 CATTTGGTTCAGTTCCTACTTCTCATTTCCAGTGAAGAGAGTTTGTGTCTAAGAGTGCAGC 313
Db 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCTCTGGCGTTAAGTTAA 421
Qy 314 AGAACTGTGTGAGATGGGAGCAATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 373
Db 422 AGAACTGTCTAGCCATGGGGCTCACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 481
Qy 374 TCATTTGCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGCTTTTCAGACCCACAAG 433
Db 482 TCCTTTCTCTACAAGAAACCTAAATGAGAGAGTTTATTTATTTGGACTGTGTGAGACCGAGTTG 541

QY 434 GTAATAATATTTGGCAATGATTAAGACACCTTTATGAGAAAAATGTCAGATTTTGGC 493
Db 542 TCGAGGGTCAAGTGGCAATGGGTGGACGGCACACCTTTTGACAAAGTCTCTGAGCTTCTGGG 601
QY 494 ACCTAGGTAGCCCAATCA-----TTCTGCAGAGCAATGCTTCAATAGTCTTCTGGG 547
Db 602 ATGTAGGGAGCCCAACACATAGTACCTCGGAGACTGTGCCACCATGAGAGACTCTT 661
QY 548 AACCTACAGATGGGGCTGGAATGATGTTATCTGTGAACTAGAGGAAATTCATATGTG 607
Db 662 CAAACCAAGCCAAATTTGGAATGATGTAACCTGTTTCCCTCAATATTTTCGGATTGTG 721
QY 608 AGATG 612
Db 722 AAATG 726

RESULT 12

US-09-902-775A-376
; Sequence 376, Application US/09902775A

; Patent No. 6686451

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902.775A

; PRIOR FILING DATE: 2001-07-10

; PRIOR FILING DATE: 2000-02-22

; PRIOR FILING DATE: 1999-07-07

; PRIOR FILING DATE: 1999-07-26

; PRIOR FILING DATE: 1999-07-28

; PRIOR FILING DATE: 1999-09-08

; PRIOR FILING DATE: 1999-09-13

; PRIOR FILING DATE: 1999-09-15

; PRIOR FILING DATE: 1999-09-15

; PRIOR FILING DATE: 1999-10-05

; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-902-775A-376

Query Match 18.7%; Score 117.4; DB 3; Length 997;

Best Local Similarity 54.4%; Pred. No. 5e-27;

Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;

QY 17 AACCTCAAGTACAGAGAAAGAGGCTGCTGCTCC---TGAGACTCTGCTCTGTGGCTG 73
Db 128 AAACACAATGCACAGAGAGAGATGCTCTCTTCCCAATGTTTATGACATGTTGCTG 187
QY 74 GGATTTCCATTGCACTCCCTCAGTGTGCTTCAATGTGAGCTGTGTAGTAACATTACCA 133
Db 188 GGATCCCCATCTATTTCTCAGTGCCTGTTTCAACACAGATGTGTGTGACATTTGCG 247
QY 134 TTACATATGTTGAACTGGCAAAAGGCTGTCTGAACATCACTCATATCATTTCAAGTCTCA 193
Db 248 TCTTTCAAAACCTGTGATGAGAAAAAGTT---TCAGCTACCTGAGAAATTTTCACAGAG 304
QY 194 CCTGCTTCAGTGAAGGCAAAAGGTGCCAGCCCTGGGGATGTTGCCAGCTTCTTGAAGT 253
Db 305 CTGCTACAAATATATGATCA---GGTTCACTCAAGAAATTTGTCTCAATTTGAAGTGG 361
QY 254 CATTTGGTTCCAGTTTCTACTTTCATTTCCAGTGAAGAGAGGTTTGGTCTTAAGAGTGAG 313
Db 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTTCTGGCGTTAAGTTAA 421
QY 314 AGAATCTGTTGAGATGGGAGCACATTTGGTGTGTTTCAACACAGAGAGCAGACAGAA 373
Db 422 AGAATCTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACAGAGGAGCAGGA 481
QY 374 TCATTTGCCAGCAGTGAATGAGTCATTTTCTTTATTTTCTGGGGCTTTTCAGACCCACA 433
Db 482 TCCTTTTCCACAAGAACCTTAAATGAGAGAGTTTTTTTATTTGAGCTGTGACAGCAGG 541
QY 434 GTAATAATATTTGGCAATGATTAAGACACCTTTATGAGAAAAATGTCAGATTTTGGC 493
Db 542 TCGAGGGTCAAGTGGCAATGGGTGGACGGCACACCTTTTGACAAAGTCTCTGAGCTT 601
QY 494 ACCTAGGTAGCCCAATCA-----TTCTGCAGAGCAATGCTTCAATAGTCTTCTGGA 547
Db 602 ATGTAGGGAGCCCAACACATAGTACCTCGGAGGACTGTGCCACCATGAGAGACTCTT 661
QY 548 AACCTACAGATGGGGCTGGAATGATGTTATCTGTGAACTAGAGGAAATTCATATGTG 607
Db 662 CAAACCAAGGCAAAATTTGGAATGATGTAACCTGTTTCCCTCAATATTTTCGGATTGT 721
QY 608 AGATG 612
Db 722 AAATG 726

RESULT 13

US-09-906-700-376

; Sequence 376, Application US/09906700


```
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE.1618P2C12
; CURRENT APPLICATION NUMBER: US/09/903,603A
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-903-603A-376

Query Match      18.7%; Score 117.4; DB 3; Length 997;
Best Local Similarity 54.4%; Pred. No. 5e-27;
Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;

Qy 17 AACCTCAAAGTACAGAGAAAGAGCGTGGTTGTCCTCC---TCAGACTCTGCTGTGCTG 73
Db 128 AACACAAATGCACAGAGAGAGGATGCTTCTCTCCCAAATGTTCTTATGCACTGTTGCTG 187
Qy 74 GGAATTCATGCACTCCTCAGTCTGCTTCATTTGAGCTGTGTAGTAACCTTACCATT 133
Db 188 GGATCCCACTCCTATTTCTCAGTCCCTGTTTTCATCACAGATGTTGTGACATTTCCGA 247
Qy 134 TTACATATGGTGAACCTGGCAAAAGGCTGTCTGAACCTACACTCATATCATTTCAAGTCTCA 193
Db 248 TCTTTCAAACCTGTGTGATGAGAAAGT---TCAGCTACCTGAGAAATTCACAGAGCTCT 304
Qy 194 CTTGCTTTCAAGTGAAGGACAAAGGTGCCAGCTGGGAGTGTGCCAGCTTCTTTGGAAGT 253
Db 305 CTTGCTACAAATTTATGATCA---GGTTTCAGTCAAGAAATTTGTGTCATTCGAATGGGAAT 361
Qy 254 CATTTGGTTCAGTTGCTACTTTCATTTCCAGTGAAGAGAGGTTTGGTCTAAGAGTGCAGC 313
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Db 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCAATTTCTCTGGGCGTTAAGTTTAA 421
Qy 314 AGAACTGTGTGAGATGGGACGACATTTGGTGTGTTTCAACACAGAGAGAGAGCAATTT 373
Db 422 AGAACTGTCTCAGCATTCAGGGGCTCCTCCTGGTGTGTTTATCAACTCAACAGGAGGAGGAAT 481
Qy 374 TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTTCAGACCCACAAG 433
Db 482 TCTTTTCTTACAAGAAACCTAAATGAGAGAGTTTTATTTGAGCTGTTCAGACCGAGTTG 541
Qy 434 GTAATAATAATTTGGCAATGGATTTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 493
Db 542 TCGAGGGTCAGTGGCAATGGGTGGGCGGACACCTTTTGACAAAGTCTCTGAGCTTCTGGG 601
Qy 494 ACCTAGGTGAGCCCAATCA-----TTCTGAGAGCAATGTGTTCAATAGTCTTCTGGA 547
Db 602 ATGTAGGGGAGGCCCAACACATAGCTACCCCTGGAGGACTGTGCCACCATGAGAGACTT 661
Qy 548 AACCTACAGGATGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTCATATATGTG 607
Db 662 CAAACCAAGGCAAAATTTGAAATGATTAACCTGTTTCTCTCAATTTTTCGATTTGTG 721
Qy 608 AGATG 612
Db 722 AATG 726

RESULT 15
US-09-904-920A-376
; Sequence 376, Application US/09904920A
; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,920A
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
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;; PRIOR APPLICATION NUMBER: PCT/US99/20944
;; PRIOR FILING DATE: 1999-09-13
;; PRIOR APPLICATION NUMBER: PCT/US99/21090
;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/21547
;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/23089
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: PCT/US99/28214
;; PRIOR FILING DATE: 1999-11-29
;; PRIOR APPLICATION NUMBER: PCT/US99/28313
;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 376
;; LENGTH: 997
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-09-904-920A-376

Query Match 18.7%; Score 117.4; DB 3; Length 997;
Best Local Similarity 54.4%; Pred. No. 5e-27;
Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps 4;
QY 17 AACCTCAAAGTACAGAGAAAGAGGCTGGTGTGCC---TGAGACTCTGTCTGTGGCTG 73
DB 128 AAACACAATGCAGAGAGAGGATGCTCTCTCCCAATGTTCTTATGGACTGTTGCTG 187
QY 74 GGATTTCCATTCGACTCCTCAGTGTCTGCTTCATTTGAGCTGTGTAGTAACCTTACCATT 133
DB 188 GGATCCCATCCTATTCTCAGTGTCTGTTTCATCCAGATGTTGTGACATTTGCGCA 247
QY 134 TTACATATGTTGAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTTCAAGTCTCA 193
DB 248 TCTTTCAAACCTGTGATGAGAAAGTT---TCAGCTACCTGAGAATTTACAGAGCTCT 304
QY 194 CTTGCTTCAGTGAAGGCAAAAGGTGCCCTGGGAGTGTGCCAGCTTCTTTGGAAGT 253
DB 305 CTTGCTACAAATTATGGATCA--GGTTCAAGTCAAGAAATTTGTCCATTGAACTGGGAAT 361
QY 254 CATTGGTTCAGTGTCTACTTCTCATTTCCAGTGAAGAGAGTTTGGTCTAAGAGTGAGC 313
DB 362 ATTTCATCCAGTGTCTACTCTTTTCTACTGACACCATTTCTGGGGGCTTAAGTTTAA 421
QY 314 AGAACTGTGTTGAGATGGGAGCAGCATTTGGTGTGTTTCAACACAGAGAGCAGAGCAAT 373
DB 422 AGAACTGTCTAGCCATGAGGAGGCTCAGCTGGTGTATCAACTCACAGGAGGAGCAGGAAT 481
QY 374 TCATTGTCCAGCAGCTGAATGAGTCAATTTCTTTATTTTCTGGGGCTTTGAGACCCCAAG 433
DB 482 TCCTTTCTCAAGAAACCTAAAATGAGAGAGTTTTTTTATTGGACTGTGAGACCGAGTTG 541
QY 434 GTAATAATATTGGCAATGATTAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 493
DB 542 TCAGGGGTGAGTGGCAATGGGTGAGCGGCACACCTTTTGACAAAGTCTCTGAGCTCTGGG 601
QY 494 ACCTAGTGTAGCCCAATCA-----TTCGACAGCAATGTGCTTCAATAGTCTTCTGGA 547
DB 602 ATGTAGGGAGGCCCAACACATAGTACCTCTGGAGACTGTGCCCATGAGAGACTCTT 661
QY 548 AACCTACAGATGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTCATATGTG 607

Db 662 CAAACCCAAAGGCAAAATTGGAAATGATGTAACCTGTTTCTCAATATTTTCGGAATTTGTG 721
QY 608 AGATG 612
Db 722 AATG 726
Search completed: March 28, 2006, 11:55:32
Job time : 113.126 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 28, 2006, 08:52:44 ; Search time 452.694 Seconds
(without alignments)
11453.441 Million cell updates/sec

Title: US-09-766-511B-52
Perfect score: 627
Sequence: 1 atgatgaagagcagcaac.....agatgaataagattaccta 627

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA_Main:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	627	100.0	627	3	US-09-766-511B-52
2	627	100.0	3114	3	US-09-766-511B-51
3	625.4	99.7	1045	6	US-10-270-470-9
4	484.4	77.3	850	6	US-10-270-470-1
5	373.2	59.5	627	3	US-09-766-511B-72
6	373.2	59.5	630	6	US-10-270-470-3
7	373.2	59.5	1252	3	US-09-766-511B-71
8	344.8	55.0	821	3	US-09-766-511B-61
9	294.8	47.0	534	3	US-09-766-511B-62
10	275	43.9	817	6	US-10-212-198-12
11	273.4	43.6	642	5	US-10-090-466-1
12	270.2	43.1	858	6	US-10-212-198-3
13	269.4	43.0	827	6	US-10-220-946-19
14	265.6	42.4	800	6	US-10-220-946-21
15	249	39.7	826	6	US-10-212-198-2
16	231	36.8	549	5	US-10-090-466-3
17	228.6	36.5	627	8	US-10-492-100-17
18	201.2	32.1	444	7	US-10-398-779-14
19	200.4	32.0	402	7	US-10-398-779-1
20	192	30.6	1091	3	US-09-764-870-199
21	192	30.6	1091	5	US-10-125-540-199
22	192	30.6	1096	6	US-09-764-870-38
23	192	30.6	1096	5	US-10-125-540-38

24	192	30.6	1104	3	US-09-862-802-1	Sequence 1, Appli	
25	192	30.6	1104	8	US-10-829-107-1	Sequence 1, Appli	
26	192	30.6	1195	7	US-10-363-616-235	Sequence 235, Appl	
27	192	30.6	1271	6	US-10-172-118-1616	Sequence 1616, Appl	
28	192	30.6	1271	7	US-10-342-887-1616	Sequence 1616, Appl	
29	192	30.6	1307	6	US-10-264-237-1248	Sequence 1248, Appl	
C	29	192	30.3	644	7	US-10-262-839-75	Sequence 75, Appl
30	190	30.3	1308	7	US-10-262-839-79	Sequence 79, Appl	
31	181	28.9	582	7	US-10-398-779-4	Sequence 4, Appli	
C	32	176	28.1	582	7	US-10-398-779-4	Sequence 4, Appli
33	172.8	27.6	753	7	US-10-398-779-6	Sequence 6, Appli	
C	34	166.8	26.6	1013	7	US-10-283-975A-883	Sequence 883, Appl
35	166.8	26.6	1013	7	US-10-398-779-5	Sequence 5, Appli	
C	36	163.2	26.0	415	6	US-10-212-198-1	Sequence 1, Appli
37	161.6	25.8	334	6	US-10-305-720-698	Sequence 698, Appl	
38	151.4	24.1	558	7	US-10-398-779-7	Sequence 7, Appli	
39	151.4	24.1	612	8	US-10-492-100-9	Sequence 9, Appli	
40	151.4	24.1	714	8	US-10-492-100-5	Sequence 5, Appli	
41	146.6	23.4	711	8	US-10-492-100-11	Sequence 11, Appl	
42	141.8	22.6	561	7	US-10-398-779-11	Sequence 11, Appl	
43	141.8	22.6	738	8	US-10-492-100-1	Sequence 1, Appli	
44	140.8	22.5	424	3	US-09-918-995-36731	Sequence 36731, Appl	
45	140.8	22.5	763	7	US-10-262-839-77	Sequence 77, Appl	

ALIGNMENTS

RESULT 1
US-09-766-511B-52
; Sequence 52, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PRE
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-766-511B-52

Query Match 100.0%; Score 627; DB 3; Length 627;
Best Local Similarity 100.0%; Pred. No. 1.2e-192;
Matches 627; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ATGATGCAAGACGACGAACCTCAAAGTACAGAGAAAAGAGCGTGTTGTCCCTGAGACTC	60
Db	1		
Db	1	ATGATGCAAGACGACGAACCTCAAAGTACAGAGAAAAGAGCGTGTTGTCCCTGAGACTC	60
Qy	61	TGGTCTGTGGCTGGGATTTCAAATGCACCTCCAGTCTTGCTTCATTCTGAGCTGTGTA	120
Db	61		
Db	61	TGGTCTGTGGCTGGGATTTCCAATGGACTCTCCAGTCTTGCTTCATTCTGAGCTGTGTA	120
Qy	121	GTAACCTTACCATTTTTACATATGGTGAACCTGCCAAAAGGCTCTCTGAACCTACACTCATAT	180
Db	121		
Db	121	GTAACCTTACCATTTTTACATATGGTGAACCTGCCAAAAGGCTCTCTGAACCTACACTCATAT	180
Qy	181	CATTCAAGTCTCACCTGCTTCCAGTCAAGGGAACAAGGTCACAGCCTGGGGATGTTGCCCA	240
Db	181		
Db	181	CATTCAAGTCTCACCTGCTTCCAGTCAAGGGAACAAGGTCACAGCCTGGGGATGTTGCCCA	240
Qy	241	GCTTCTTGGAAAGTCATTTGGTTCAGTTCGCTACTTCAITTCAGTCAAGAGAAGGTTTGG	300
Db	241		
Db	241	GCTTCTTGGAAAGTCATTTGGTTCAGTTCGCTACTTCAITTCAGTCAAGAGAAGGTTTGG	300
Qy	301	TCTAAGAGTGAAGCAAACTGTGTTGAGATGGGAGCACATTTGGTGTGTTCAACACAGAA	360
Db	301		
Db	301	TCTAAGAGTGAAGCAAACTGTGTTGAGATGGGAGCACATTTGGTGTGTTCAACACAGAA	360
Qy	361	GCAGAGCAGAAATTTTCATTTGTCAGACAGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTT	420
Db	361		
Db	361	GCAGAGCAGAAATTTTCATTTGTCAGACAGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTT	420
Qy	421	TCAGA CCCAACAGGTAATAATTTGGCAATGGATTGATAAGACACTTTATGAGAAAAAT	480
Db	421		
Db	421	TCAGACCCACAAAGGTAATAATTTGGCAATGGATTGATAAGACACTTTATGAGAAAAAT	480
Qy	481	GTCAGATTTTGGCACTTAGGTGAGCCCAATCATTTCTGAGAGCAATGCTTCAATAGTC	540
Db	481		
Db	481	GTCAGATTTTGGCACTTAGGTGAGCCCAATCATTTCTGAGAGCAATGCTTCAATAGTC	540
Qy	541	TTCTCGAAACCTPACAGGATGGGGCTGGAATGATGTTTATCTGTGAAACTAGAGAAGATTCA	600
Db	541		
Db	541	TTCTCGAAACCTPACAGGATGGGGCTGGAATGATGTTTATCTGTGAAACTAGAGAAGATTCA	600
Qy	601	ATATGTGAGATGAATAAGATTTACCTA	627
Db	601		
Db	601	ATATGTGAGATGAATAAGATTTACCTA	627

RESULT 2
US-09-766-511B-51
; Sequence 51, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29

Query Match	100.0%;	Score 627;	DB 3;	Length 3114;
Best Local Similarity	100.0%;	Pred. No. 3e-192;		
Matches 627;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy 1	ATGATGCAAGAGCAGCAACTCAAAGTACAGAGAAAGAGCGTGGTGTCCCTGAGACTC	60		
Db 154	ATGATGCAAGAGCAGCAACTCAAAGTACAGAGAAAGAGCGTGGTGTCCCTGAGACTC	213		
Qy 61	TGGTCTGTGCTGGATTTCATTCGACTCCTCAGTGCCTTCATTTGAGCTGTGTA	120		
Db 214	TGGTCTGTGCTGGATTTCATTCGACTCCTCAGTGCCTTCATTTGAGCTGTGTA	273		
Qy 121	GTAACTTACCAATTTTACATATGTGTGAACTGGCAAAAGGCTGTCTGAACCTACACTCATAT	180		
Db 274	GTAACTTACCAATTTTACATATGTGTGAACTGGCAAAAGGCTGTCTGAACCTACACTCATAT	333		
Qy 181	CATTCAAGTCTCACCTGCTTCAGTGAAGGACAAAGGTGCAGCGTGGGGAATGTTGCCCA	240		
Db 334	CATTCAAGTCTCACCTGCTTCAGTGAAGGACAAAGGTGCAGCGTGGGGAATGTTGCCCA	393		
Qy 241	GCTTCTTGGGAAGTCAATTTGGTTCAGTTCCTACTTCATTTCCAGTGAAGAGAAGGTTTGG	300		
Db 394	GCTTCTTGGGAAGTCAATTTGGTTCAGTTCCTACTTCATTTCCAGTGAAGAGAAGGTTTGG	453		
Qy 301	TCTAAGAGTGAGCAGAACTGTTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA	360		
Db 454	TCTAAGAGTGAGCAGAACTGTTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA	513		
Qy 361	GCAGAGCAGAAATTTCAATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTT	420		
Db 514	GCAGAGCAGAAATTTCAATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTT	573		
Qy 421	TCAGACCCACAGGTAATATAATTTGGCAATGATTCATTAAGACACCTTATGAGAAAAT	480		
Db 574	TCAGACCCACAGGTAATATAATTTGGCAATGATTCATTAAGACACCTTATGAGAAAAT	633		
Qy 481	GTCAAGATTTGGCACCTTAGGTGAGGCCCAATCATTTCTCAGAGCAATGTGCTTCAATAGTC	540		
Db 634	GTCAAGATTTGGCACCTTAGGTGAGGCCCAATCATTTCTCAGAGCAATGTGCTTCAATAGTC	693		
Qy 541	TTCTGGAAACCTACAGGATGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTC	600		
Db 694	TTCTGGAAACCTACAGGATGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTC	753		
Qy 601	ATATGTGAGATGAATAAGATTTACCTA	627		
Db 754	ATATGTGAGATGAATAAGATTTACCTA	780		

RESULT 3
US-10-270-470-9
; Sequence 9, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saegland, Sem

; Sequence 72, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-766-511B-72

Query Match 59.5%; Score 373.2; DB 3; Length 627;
Best Local Similarity 76.1%; Pred. No. 4.2e-110;
Matches 475; Conservative 0; Mismatches 143; Indels 6; Gaps 1;

QY 10 GACGAGCAACCTCAAAGTACAGAGAAAGAGGCTGTGTTGCCCTGAGACTCTGGTCTGTG 69
DB 4 GTGCAGGAAAGACAATCCCAAGGAGGAGTCTGTGGACCCCTGAGACTCTGGTCTGTG 63

QY 70 GCTGGGATTTCCATTTGACCTCCTCAGTGTCTTCAATTTGAGCTGTGTAGTAACCTTAC 129
DB 64 GCTGTGATTTCCATTTGACCTCCTCAGTGTCTTCAATTTGAGCTGTGTAGTAACCTTAC 123

QY 130 CATTTTACATATATGGTGAAGCTGTCTGAAGCTGTCTGAAGCTGTGTAGTAACCTTAC 189
DB 124 CAATTTATATGAGCCAGCCAGTAGAAGACTATATGAACCTTACATATCACTTCCAGT 183

QY 190 CTCACCTGCTTCAAGTGAAGGACAAAGGTGCCAG-----CCTGGGATGTGTCCTCAGCT 243
DB 184 CTCACCTGCTTCAAGTGAAGGACTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 243

QY 244 TCTTGAAGTCAATTTGGTTCAGTGTCTTCAATTTCCAGTGTGTGTGTGTGTGTGTGTGTGT 303
DB 244 CACTGGAAGTCAATTTGGTTCAGTGTCTTCAATTTCCAGTGTGTGTGTGTGTGTGTGTGT 303

QY 304 AAGAGTCAGCAGAACTGTGTGTAGATGGGAGCATTGTGTGTGTGTGTGTGTGTGTGTGTGT 363
DB 304 ACCAGTCAGCAGAACTGTGTGTAGATGGGAGCATTGTGTGTGTGTGTGTGTGTGTGTGT 363

QY 364 GAGCAGAAATTCATTTGTCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTTCA 423
DB 364 GAGCAGAAATTCATTCACCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTT 423

QY 424 GACCCACAAGGTAATAATTGGCAATGGATTGATTAAGACACCTTATGAGAAAAATGTC 483

DB 424 GATCCACAAGGTAATGGCAATGGCAATGGCAATGGCAATGGCAATGGCAATGGCAATGGCA 483
QY 484 AGATTTTGGCACCTAGGTGAGCCCAATCATTTCTGCAGAGCAATGTGCTTCAATAGTCTTTC 543
DB 484 AGGTTCTGGCACCCCATGAAACCCCAATCTTCCAGAGAGCGGTGTGTGTTCATAGTGTTC 543
QY 544 TGGAAACCTTACAGGATGGGCTGGGAATGATGTATCTGTGAACTAGAGGAATTCATA 603
DB 544 TGGAAATCTTCGAATGGGCTGGGAATGATGTATCTGTGAACTAGAGGAATTCATA 603
QY 604 TGTGAGATGAATAAGATTACCTA 627
DB 604 TGTGAAATGAAGAAGATTACCTA 627

RESULT 6
US-10-270-470-3
; Sequence 3, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ann B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Philippe, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802QK
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 630
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(627)
; OTHER INFORMATION:
US-10-270-470-3

Query Match 59.5%; Score 373.2; DB 6; Length 630;
Best Local Similarity 76.1%; Pred. No. 4.3e-110;
Matches 475; Conservative 0; Mismatches 143; Indels 6; Gaps 1;

QY 10 GACGAGCAACCTCAAAGTACAGAGAAAGAGGCTGTGTTGCCCTGAGACTCTGGTCTGTG 69
DB 4 GTGCAGGAAAGACAATCCCAAGGAGGAGTCTGTGGACCCCTGAGACTCTGGTCTGTG 63

QY 70 GCTGGGATTTCCATTTGACCTCCTCAGTGTCTTCAATTTGAGCTGTGTAGTAACCTTAC 129
DB 64 GCTGTGATTTCCATTTGACCTCCTCAGTGTCTTCAATTTGAGCTGTGTAGTAACCTTAC 123

QY 130 CATTTTACATATATGGTGAAGCTGTCTGAAGCTGTCTGAAGCTGTGTAGTAACCTTAC 189
DB 124 CAATTTATATGAGCCAGCCAGTAGAAGACTATATGAACCTTACATATCACTTCCAGT 183

QY 190 CTCACCTGCTTCAAGTGAAGGACAAAGGTGCCAG-----CCTGGGATGTGTCCTCAGCT 243
DB 184 CTCACCTGCTTCAAGTGAAGGACTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 243

QY 244 TCTTGAAGTCAATTTGGTTCAGTGTCTTCAATTTCCAGTGTGTGTGTGTGTGTGTGTGTGT 303
DB 244 CACTGGAAGTCAATTTGGTTCAGTGTCTTCAATTTCCAGTGTGTGTGTGTGTGTGTGTGT 303

QY 304 AAGAGTCAGCAGAACTGTGTGTAGATGGGAGCATTGTGTGTGTGTGTGTGTGTGTGTGTGT 363

RESULT 10

US-10-212-198-12

; Sequence 12, Application US/10212198

; Publication No. US20030138804A1

; GENERAL INFORMATION:

; APPLICANT: Boyle, Bryan J

; APPLICANT: Ford, John E.

; APPLICANT: Mize, Nancy K.

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Drmanac, Radoje T.

; APPLICANT: Dickson, Mark C.

; APPLICANT: Arterburn, Matthew C.

; APPLICANT: Binnerts, Minko

; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type Le

; FILE REFERENCE: Polypeptides and Polynucleotides

; CURRENT APPLICATION NUMBER: US/10/212,198

; CURRENT FILING DATE: 2002-08-02

; PRIOR APPLICATION NUMBER: 09/545,283

; PRIOR FILING DATE: 2000-04-07

; PRIOR APPLICATION NUMBER: 09/496,914

; PRIOR FILING DATE: 2000-02-03

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: Patent in version 3.1

; SEQ ID NO 12

; LENGTH: 817

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (11)..(652)

; OTHER INFORMATION:

US-10-212-198-12

Query Match

Best Local Similarity 43.9%; Score 275; DB 6; Length 817;

Matches 427; Conservative 0; Mismatches 200; Indels 12; Gaps 2;

Qy 1 ATGATGCAAGCAGCAACCTCAAGTACAGAGAAAGAGCGCTGGTGTGCC---TGAGA 57

Db 11 ATGGTGCTGAAGAAGAGCGCTCAAGACCGAGAGAAAGAGCTGTGGTGGTCCAGTTGAAG 70

Qy 58 CTCGTGCTGTGGCGGATTTCCATTGCACTCTCTCAGTGTGCTTCAATTTGAGCTGT 117

Db 71 GTCGTGCTCAAGCAGTGTATCAATCTGCTCTCAGTGTGCTTCACTGTGAGTTCT 130

Qy 118 GTAGTAATACCAATTTTACATATGTTGAACTGGCAAAAGGCTGTCTGAACCTA----- 171

Db 131 GTGGTGCTCACAAATTTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAG 190

Qy 172 ---CACTCATATCAATTCAGTCTCAGTGTGAACTGGCAAAAGGCTGTCTGAACCTA----- 171

Db 191 TATCAACAGTATCAATTCAGCTGACCTGGCTCATGGAAGGAAAGGACATAGAAGATTGG 250

Qy 229 GGATGTTGCCAGCTTCTTGGAGTCAATTTGGTTCAGTGTGCTTCAATTTCCAGTGAA 288

Db 251 AGCTGCTGCCAACCCCTTGGACTTCAATTCAGTGTGCTTCAATTTTCTACTCTGGG 310

Qy 289 GAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGACAAATTTGGTTGTG 348

Db 311 ATGCAATCTTGGACTAAGAGTCAAAAGAACTGTTCTGTGATGGGGCTGATCTGGTGTG 370

Qy 349 TTCAACAAGAGCAGAGCAATTTCAATTTGTCAGCAGCTGATGATGATCTTTCTTAT 408

Db 371 ATCAACACCGGGAAGAACAGGATTTCAATTCAGAAATCTGAAAGAAATTTCTTCTAT 430

Qy 409 TTTCTGGGCTTTTCCAGACCCACAGGTAATAATTTGGCAATGGATTTGATAGACACCT 468

Db 431 TTTCTGGGCTGTGATATCCAGGGGCTGGGCAATTTGGCAATTTGGTTGACGACCA 490

Qy 469 TATGAGAAAAATGTGATATTTGGCACTTAGGTGAGGCCCAATCATTTCTGAGAGCAATGT 528

Db 491 TACAATGAAATGTGCATTTCTGGCACTCAGGTGAACCCCAATTAACCTTGTATGAGCGTTGT 550

Qy 529 GCTTCAATAGTCTTCTGGAAACCTACAGGATGGGCTGGAATGATGTTATCTGTGAACT 588

Db 551 GCGATAATAAATTTCCGTTCTTCAGAAGAATGGGGCTGGNATGACATTCATCTCATGTA 610

Qy 589 AGAAGGAATTCATATGTGAGATGAATAAGATTACCTA 627

Db 611 CCTCAGAAGTCAATTTGCAAGATGAAGAAGATCTACATA 649

RESULT 11

US-10-090-466-1

; Sequence 1, Application US/10090466

; Publication No. US20020137914A1

; GENERAL INFORMATION:

; APPLICANT: Turner, C. Alexander Jr.

; APPLICANT: Mathur, Brian

; APPLICANT: Cullinan, Emily B.

; TITLE OF INVENTION: No. US20020137914A1el Human Dectin Proteins and Polynucleotides

; FILE REFERENCE: LEX-0315-USA

; CURRENT APPLICATION NUMBER: US/10/090,466

; CURRENT FILING DATE: 2002-03-01

; PRIOR APPLICATION NUMBER: US 60/274,961

; PRIOR FILING DATE: 2001-03-12

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 642

; TYPE: DNA

; ORGANISM: homo sapiens

US-10-090-466-1

Query Match

Best Local Similarity 43.6%; Score 273.4; DB 5; Length 642;

Matches 426; Conservative 0; Mismatches 201; Indels 12; Gaps 2;

Qy 1 ATGATGCAAGCAGCAACCTCAAGTACAGAGAAAGAGCGCTGGTGTGCC---TGAGA 57

Db 1 ATGGTGCTGAAGAAGAGCGCTCAAGACCGAGAGAAAGAGCTGTGGTGGTCCAGTTGAAG 60

Qy 58 CTCGTGCTGTGGCGGATTTCCATTGCACTCTCTCAGTGTGCTTCAATTTGAGCTGT 117

Db 61 GTCGTGCTCAAGCAGTGTATCCATCTGCTCTCAGTGTGCTTCACTGTGAGTTCT 120

Qy 118 GTAGTAATACCAATTTTACATATGTTGAACTGGCAAAAGGCTGTCTGAACCTA----- 171

Db 121 GTGGTGCTCACAAATTTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAG 180

Qy 172 ---CACTCATATCAATTCAGTCTCAGTGTGAAAGGCAAAAGGTCGCCAGCTGG 228

Db 181 TATCAACAGTATCAATTCAGAGCTGACCTGGCTCATGGAAGGAAAGGACATAGAAGATTGG 240

Qy 229 GGATGTTGCCAGCTTCTTGGAGTCAATTTGGTTCAGTGTGCTTCAATTTCCAGTGAA 288

Db 241 AGCTGCTGCCAACCCCTTGGACTTCAATTCAGTGTGCTTCAATTTTCTACTCTGGG 300

Qy 289 GAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGACAAATTTGGTTGTG 348

Db 301 ATGCAATCTTGGACTAAGAGTCAAAAGAACTGTTCTGTGATGGGGCTGATCTGGTGTG 360

Qy 349 TTCAACAAGAGCAGAGCAATTTCAATTTGTCAGCAGCTGAATGATGATCTTTCTTAT 408

Db 361 ATCAACACCGGGAAGAACAGGATTTCAATTCAGAAATCTGAAAGAAATTTCTTCTAT 420

Qy 409 TTTCTGGGCTTTTCCAGACCCACAGGTAATAATTTGGCAATGGATTTGATAGACACCT 468

Db 421 TTTCTGGGCTGTGATATCCAGGGGCTGGGCAATTTGGCAATTTGGTTGACGACCA 480

Qy 469 TATGAGAAAAATGTGATATTTGGCACTTAGGTGAGGCCCAATCATTTCTGAGAGCAATGT 528

Db 481 TACAATGAAATGTGCATTTCTGGCACTCAGGTGAAACCCCAATTAACCTTGTATGAGCGTTGT 540

[illegible]

RESULT 12
 US-10-212-198-3
 ; Sequence 3, Application US/10212198
 ; Publication No. US20030138804A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Boyle, Bryan J
 ; APPLICANT: Ford, John E.
 ; APPLICANT: Mize, Nancy K.
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Drmanac, Radoje T.
 ; APPLICANT: Dickson, Mark C.
 ; APPLICANT: Arterburn, Matthew C.
 ; APPLICANT: Binnerts, Minke
 ; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1 C-type Le
 ; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1 C-type Le
 ; FILE REFERENCE: HVS-SCIP
 ; CURRENT APPLICATION NUMBER: US/10/212,198
 ; CURRENT FILING DATE: 2002-08-02
 ; PRIOR APPLICATION NUMBER: 09/545,283
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: 09/496,914
 ; PRIOR FILING DATE: 2000-02-03
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 3
 ; LENGTH: 858
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (43)..(747)
 ; OTHER INFORMATION:
 ; US-10-212-198-3

RESULT 13
US-10-220-946-19
; Sequence 19, Application US/10220946
; Publication No. US20030124575A1
; GENERAL INFORMATION:
; APPLICANT: No. US20030124575A1artis AG
; APPLICANT: No. US20030124575A1artis Erfindungen Verwaltungsgesellschaft m.b.H.
; APPLICANT: Phares, William
; APPLICANT: Werner, Gudrun
; APPLICANT: Jaritz, Markus
; APPLICANT: Lapp, Hilmar
; APPLICANT: Kalchoff, Frank Stephan
; TITLE OF INVENTION: Organic Compounds
; FILE REFERENCE: 4-31347 PCT
; CURRENT APPLICATION NUMBER: US/10/220,946
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 60/192,934
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/205,026 (US 60/279,243)
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,020
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,769
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/205,767
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 22

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; SEQ ID NO 15
; LENGTH: 827
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-220-946-19

Query Match      43.0%; Score 269.4; DB 6; Length 827;
Best Local Similarity 56.8%; Pred.No. 2.9e-76;
Matches 419; Conservative 0; Mismatches 196; Indels 12; Gaps 2;

QY      13  CAGCAACCTCAAGTACAGAGAAAGAGGCTGGTTGTC--TGAGACTCTGGTCTGTG 69
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      28  CAAGAGCCTCAAGACCAGAGAAAGGACTCTGGTGTTCAGTTGAAGGCTCTGGTCCATG 87
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      70  GCTGGGATTTCCATTGTCACCTCCAGTGCCTTGTCTTCATTGTGAGCTGTGAGTAACTTAC 129
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      88  GCATCTGATCCATCTTGTCTCCTCAGTGTCTGTTTCACTGTGAGTTCGTGGTGCCTCAC 147
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      130  CATTTTACATATGTTGAAACTGGCAAAAGGCTGTCTGAACATA-----CACTCATAT 180
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      148  AATTTTATGATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAGTATCAACAGTAT 207
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY      181  CATTCAGTCTCACTGCTTTCAGTGAAGGAGCAAAAGGTGCAGCTGGGGATGTTGGCCA 240
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

Db 208 CATCCAGCCTGACCTGGTCATGGAAGGAAGACATAGAGATTGGAGCTGCTGCCCA 267
Qy 241 GCTTCTTGGAGTCAATTTGGTTCAGTTCAGTTCATTTCCAGTGAAGAGAGTTGG 300
Db 268 ACCCTTTGGACTTCAATTTCACTAGTTGCTACTTTATTTCTACTGGGATGCAATCTGG 327
Qy 301 TCTAAGAGTGAAGAGAGTGGTTCAGATGGGAGACATTTGGTGTGTTCAACACAGAA 360
Db 328 ACTAAGAGTCAAAAGAGTGTCTGTGATGGGGCTGATCTGGTGGTGAATCAACACAGG 387
Qy 361 GCAGAGCAGAAATTTCAATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTCTGGGCTT 420
Db 388 GAAGAACAGGATTTCAATTCAGATCTGAAAGAAATTTCTTATTTCTGGGCTG 447
Qy 421 TCAGACCCACAGGTAATAATTTGGCAATGGATTGATAGACACCTTTATGAGAAAAAT 480
Db 448 TCAGATCCAGGGGTCGGCGCATTTGGCAATGGTTCAGCAGACACCATCAATGAANAAT 507
Qy 481 GTCAGATTTGGCAGCTAGTGGACCCCAATCAATTTCTGAGAGCAATGTCTCAATAGTC 540
Db 508 GTCATTTCTGGCACTCAGGTGAACCCCAATCAATTTCTGATGAGCGTTTGGCGATAAAT 567
Qy 541 TTCTGGAACCTACAGATGGGCTGGAATGATGTTATCTGTGAACTAGAGGAATTC 600
Db 568 TTCCGTTCTTCAGAGAAATGGGCTGGAATGATGATTCATCTGATGATGATGATGAT 627
Qy 601 ATATGTGAGATGAATAAGATTACCTA 627
Db 628 ATTTGCAAGATGAAGAGATCTACATA 654

RESULT 14
US-10-220-946-21
; Sequence 21, Application US/10220946
; Publication No. US20030124575A1
; GENERAL INFORMATION:
; APPLICANT: No. US20030124575A1artis AG
; APPLICANT: No. US20030124575A1artis Erfindungen Verwaltungsgesellschaft m.b.H.
; APPLICANT: Phares, William
; APPLICANT: Werner, Gudrun
; APPLICANT: Jaritz, Markus
; APPLICANT: Lapp, Hilmar
; APPLICANT: Kalthoff, Frank Stephan
; TITLE OF INVENTION: Organic Compounds
; FILE REFERENCE: 4-31347 PCT
; CURRENT APPLICATION NUMBER: US/10/220,946
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 60/192,934
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/205,026 (US 60/279,243)
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,020
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,769
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/205,767
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 800
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-220-946-21

Query Match 42.4%; Score 265.6; DB 6; Length 800;
Best Local Similarity 66.8%; Pred. No. 4.9e-75;
Matches 398; Conservative 0; Mismatches 189; Indels 9; Gaps 1;

Qy 41 GCTGTTGTCCTGAGACTGTGCTGTGGCTGGATTCATTCAGTCACTCTCAGTCTT 100
Db 36 GGTGGTCCAGTTGAAGGTCTGTGTCATGGAGTGGTATCCATCTTCTCAGTGTCT 95

Qy 101 GCTTCAATTTGAGCTGTGTAGTAACCTTACATTTTACATATGTGTAACCTGGCAAAAGGC 160
Db 96 GTTTCATCTGAGTCTTGTGTGCTGCCTACAAATTTTATGTATAGCAAACTGTCAAGAGGC 155
Qy 161 TGTCTGAACCTA-----CACTCATATCATTTCAAGTCTCAGCTGCTTCAGTGAAGGGA 211
Db 156 TGTCCAAAGTTACAGAGATATCAACAGTATCATCAAGCCTGAGCTGGTCTATGGAAGGAA 215
Qy 212 CAAAGGTGCCAGCTGGGATGTTGCCAGCTTCTTTGGAAGTCAATTTGGTTTCAGTGTGCT 271
Db 216 AGGACATAGAAGATTGGAGCTGCTGCCCAACCCCTGGACTTCATTTCACTTAGTGTCT 275
Qy 272 ACTTCATTTCCAGTGAAGAGAGTGTGCTCTAAGAGTGAAGAGAGTGTGTTGAGATGG 331
Db 276 ACTTTATTTCTACTGGGATGCAATCTTGGACTAAGAGTCAAAAGAACTGTTCGTGATGG 335
Qy 332 GAGCAGATTTGGTGTGTTCAACACAGAGCAGAGAGATTTTCATTTGTTCCAGCAGCTGA 391
Db 336 GGGCTGATCTGGTGGTGAATCAACACAGGGAAGAACAGGATTTTCATTCAGAAATCTGA 395
Qy 392 ATGAGTCAATTTCTTATTTTCTGGGCTTTTCAGACCCCAAGAGTAATAATTTGGCAAT 451
Db 396 AAGAAATTTCTTATTTTCTGGGCTGTGAGATCCAGGGGTTCGGCGACATTTGGCAAT 455
Qy 452 GATTTGATAGACACCTTATGAGAAAAATGTCTAGATTTTGGACCTAGTGTGAGCCCAATC 511
Db 456 GGGTTGACACAGACCATACAAATGAAATGTCACTTTCTGGCACTCAGGTGAACCCCAATA 515
Qy 512 ATTTCTGAGAGCAATGTGCTTCAATAGTCTTCTGGAACCTACAGAGTGGGCTGGATG 571
Db 516 ACCTTATGAGCGTTGTGGATTAATAATTTCTGGTCTTCAGAAAGATGGGCTGGAAATG 575
Qy 572 ATGTTATCTGTGAAACTAGAGGAATTCATATGTGAGATGAATAAGATTACCTA 627
Db 576 ACATTCATCTGTCATGTACCTCAGAGTCAATTTGCAAGATGAAGAGATCTACATA 631

RESULT 15
US-10-212-198-2
; Sequence 2, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Ford, John E.
; APPLICANT: Mize, Nancy K.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chonghua
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Arterburn, Matthew C.
; APPLICANT: Binnerts, Minko
; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type 1
; FILE REFERENCE: HYS-5CIP
; CURRENT APPLICATION NUMBER: US/10/212,198
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 09/545,283
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 826
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-212-198-2

Query Match 39.7%; Score 249; DB 6; Length 826;
Best Local Similarity 65.2%; Pred. No. 1.3e-69;
Matches 427; Conservative 0; Mismatches 200; Indels 28; Gaps 3;

Qy 1 ATGATCAAGAGCAGCAACCTCAAGTACAGAGAAAGAGGCTGTGTGCTCC---TGAGA 57

Db 11 ATGGTGCCTGAAGAAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTCCAGGTGAAG 70
Qy 58 CTCGTGCTGTGGCTGGGATTTCCATTTGCACTCTCAGTGCCTTGTCTTCAATTTGAGCTGT 117
Db 71 GTCTGTGCCATGCGAGTCGTATCCATCTTGTCTCTCAGTGTCTGTCTTCACTGTGAGTTCT 130
Qy 118 GTAGTAACCTTACCATTTTACATATGTTGTAACCTGGCAAGGCTGTCTGAACTA----- 171
Db 131 GTGGTGCCTCACAAATTTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAG 190
Qy 172 ---CACTCATATCATTTCAAGTCTCACCTCTTCAGTGAAGGGACAAAGGTGCCAGCTGG 228
Db 191 TATCAACAGTATCATTCACCTGACCTGCTCATTGAAGAAAGGACATAGAGATTGG 250
Qy 229 GGATGTTGCCAGCTTCTTGGAACTCATTTGGTTCAGTTGCTTACTTTCATTTCCAGTGAA 288
Db 251 AGCTGTGCCCAACCCCTTGGACTTTCATTTCACTTGTAGTTGCTACTTTATTTCTACTGGG 310
Qy 289 GAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACAATTTGGTTGTG 348
Db 311 ATGCAATCTTTGGACTAAGAGTCAAAAGAACTGTCTGTGATGGGGCTGATCTGGTGGTG 370
Qy 349 TTCACACAGAGAAGCAGAGAGAAATTTTCATTTGCCAGCTGAATGAGTCAATTTCTTAT 408
Db 371 ATCAACACAGGGAAGAACAGGATTTTCATTTCACTTCAAGATCTGAAAGAAATTTCTTAT 430
Qy 409 TTTCTGGGGCTTTCAGACCCACAAAGGTAATAATTGGCAATGGATTTGATAAGACACCT 468
Db 431 TTTCTGGGGCTGTCAAGTCCAGGGGTCCGGGACATTTGGCAATGGGTTGACCAAGACCA 490
Qy 469 TATGAGAAAATGTC-----AGATTTGGCACCTAGGTGAGGCCCAATCA 512
Db 491 TACAATGAAAATGTCACTGAGTATAGAATGAGATTTCTGGCACTCAGGTGAACCCCAATA 550
Qy 513 TTCTGCAGAGCAATGTCTTCAATAGTCTTCTGGAACCTACAGGATGGGGCTGGGAATGA 572
Db 551 CCTTGATGAGCGTTGTGCGATTAATAATTTCCGTTCTTCAAGAAGATGGGGCTGGGAATGA 610
Qy 573 TGTATCTGTGAACCTAGAAGGAATTCAAATATGTGAGATGAATAAGATTTACCTA 627
Db 611 CATTCACTGTCTACCTCAGAAGTCAATTTGCAAGATGAAGAAGATCTACATA 665

Search completed: March 28, 2006, 09:56:20
Job time : 454.694 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 28, 2006, 08:52:44 ; Search time 2248.31 Seconds
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Title: US-09-766-511B-51
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3114	100.0	3114	3	US-09-766-511B-51
2	1043.4	33.5	1045	6	US-10-270-470-9
3	627	20.1	627	3	US-09-766-511B-52
4	591.4	19.0	850	6	US-10-270-470-1
5	379.2	12.2	1252	3	US-09-766-511B-71
6	376.2	12.1	630	6	US-10-270-470-3
7	373.2	12.0	627	3	US-09-766-511B-72
8	365.2	11.7	3925	8	US-10-723-860-4598
9	364.6	11.7	3748	3	US-09-925-301-80
10	356.2	11.4	2209	6	US-10-108-260A-2220
11	356.2	11.4	3647	6	US-10-172-118-1260
12	356.2	11.4	3647	7	US-10-342-887-1260
13	356.2	11.4	3647	9	US-10-848-755A-148
14	356.2	11.4	3647	9	US-10-756-149-1
15	352.4	11.3	526	5	US-10-060-036-1924
16	349	11.2	83405	9	US-10-723-518-1
17	345.8	11.1	821	3	US-09-766-511B-61
18	331	10.6	2419	3	US-09-814-353-20506
19	315.4	10.1	520	5	US-10-060-036-2406
20	294.8	9.5	534	3	US-09-766-511B-62
21	286.4	9.2	409	7	US-10-242-535A-7181
22	286.4	9.2	409	7	US-10-085-783A-7181
23	281	9.0	817	6	US-10-212-198-12

ALIGNMENTS

RESULT 1

US-09-766-511B-51
; Sequence 51, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARE, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: RHODADOUST, Mehran M
; TITLE OF INVENTION: NERF GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 3114
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-766-511B-51

Query Match 100.0%; Score 3114; DB 3; Length 3114;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 767 ATAAGATTTTACCTATGAGTAGAGCTTAATTTGGAAAGAGAGAGAAATTTACTGACCTAAT 826
Db 721 ATAAAAATTTTACCTATGAGTAGAGCTTAATTTGGAAAGAGAGAGAAATTTACTGACCTAAT 780
QY 827 TTTTTCCTGACGCTCTTTAAATTTGAACCTATCATGAATGATAATTTCTTCTGAAAT 886
Db 781 TTTTTCCTGACGCTCTTTAAATTTGAACCTATCATGAATGATAATTTCTTCTGAAAT 840
QY 887 TACACATAATCTTATGTTATAGAGGTTTACAGAAATGGAAGATACCTGTTTCCCTTTA 946
Db 841 TACACATAATCTTATGTTATAGAGGTTTACAGAAATGGAAGATACCTGTTTCCCTTTA 900
QY 947 ATCAATCTTCTGCTCTCTTTTCCATTAATGATAGAAATGACCCCTTCTCTTTGTT 1006
Db 901 ATCAATCTTCTGCTCTCTTTTCCATTAATGATAGAAATGACCCCTTCTCTTTGTT 960
QY 1007 CCATCTCTTTCACCTGTTTATTCATTTTCTTCTTCCACACTTTCATTAACAATAATTTA 1066
Db 961 CCATCTCTTTCACCTGTTTATTCATTTTCTTCTTCCACACTTTCATTAACAATAATTTA 1020
QY 1067 TTGTTTCAGAGACTGACTACTTTTG 1091
Db 1021 TTGTTTCAGAGACTGACTACTTTTG 1045

RESULT 3
US-09-766-511b-52
; Sequence 52, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-766-511b-52

Query Match 20.1%; Score 627; DB 3; Length 627;
Best Local Similarity 100.0%; Pred. No. 6.2e-114;
Matches 627; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAGAGCGTGTTGTCTCCTGAGACTC 213

Db 1 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAGAGCGTGTTGTCTCCTGAGACTC 60
QY 214 TGGTCTGTGGCTGGGATTTCCATTTGCACTCTCAGTGTCTTCTTCAATTTGAGCTGTGTA 273
Db 61 TGGTCTGTGGCTGGGATTTCCATTTGCACTCTCAGTGTCTTCTTCAATTTGAGCTGTGTA 120
QY 274 GTAACCTTACATTTTACATATGTTGAAACTGGCAAAAGGCTCTCTGAACTACACTCATAT 333
Db 121 GTAACCTTACATTTTACATATGTTGAAACTGGCAAAAGGCTCTCTGAACTACACTCATAT 180
QY 334 CATTTCAAGTCTCACCTGCTTTCAGTGAAGGGAACAAAGTCCAGCTCGGGGATTTGCCCA 393
Db 181 CATTTCAAGTCTCACCTGCTTTCAGTGAAGGGAACAAAGTCCAGCTCGGGGATTTGCCCA 240
QY 394 GCTTCTTGAAGTCAATTTGGTTCCAGTTCCTACTTCAATTTCCAGTGAAGAGAGGTTTGG 453
Db 241 GCTTCTTGAAGTCAATTTGGTTCCAGTTCCTACTTCAATTTCCAGTGAAGAGAGGTTTGG 300
QY 454 TCTAGAGTGAGCAGCAACCTGTTGAGATGGGAGCACATTTGGTTGTCTTCAACACAGAA 513
Db 301 TCTAGAGTGAGCAGCAACCTGTTGAGATGGGAGCACATTTGGTTGTCTTCAACACAGAA 360
QY 514 GCAGAGCAGAAATTTCAATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTT 573
Db 361 GCAGAGCAGAAATTTCAATTTCCAGCAGCTGAATGAGTCAATTTCTTATTTTCTGGGGCTT 420
QY 574 TCAGACCCACAAAGTAAATTAATTTGGCAATGAGTGAAGACACCTTATGAGAAAT 633
Db 421 TCAGACCCACAAAGTAAATTAATTTGGCAATGAGTGAAGACACCTTATGAGAAAT 480
QY 634 GTCAGATTTTGGCACCCTAGCTAGTCCAGCCCAATTCCTGAGAGCAATGTCTTCAATAGTC 693
Db 481 GTCAGATTTTGGCACCCTAGCTAGTCCAGCCCAATTCCTGAGAGCAATGTCTTCAATAGTC 540
QY 694 TTCTGGAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTC 753
Db 541 TTCTGGAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTC 600
QY 754 ATATGTGAGATGAATGAAGATTTTACCTA 780
Db 601 ATATGTGAGATGAATGAAGATTTTACCTA 627

RESULT 4
US-10-270-470-1
; Sequence 1, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802QK
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 850
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (108)..(593)

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; OTHER INFORMATION:
US-10-270-470-1
Query Match      19.0%; Score 591.4; DB 6; Length 850;
Best Local Similarity 98.2%; Pred. No. 8e-107;
Matches 598; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 47 GTCCTGAGCTCTAGCTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTTAGGGAGA 106
Db 1 GTCCTGAGCTCTAGCTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTTAGGGAGA 60

Qy 107 GAGTACAAAAGGTTCTCGACCTTCTCAACACAGGGAGCCTGCAATGATGCAAGAGC 166
Db 61 GAGTACAAAAGGTTCTCGACCTTCTCAACACAGGGAGCCTGCAATGATGCAAGAGC 120

Qy 167 AGCAACTCAAAAGTACAGAGAAAAGCGTGTGTCCTCGAGACTCTGCTCTGTGGCTG 226
Db 121 AGCAACTCAAAAGTACAGAGAAAAGCGTGTGTCCTCGAGACTCTGCTCTGTGGCTG 180

Qy 227 GGATTTCCATTGCACTCCTCAGTCTGCTTCAATTTGTGAGCTGTGTAGTAACTTACCATT 286
Db 181 GGATTTCCATTGCACTCCTCAGTCTGCTTCAATTTGTGAGCTGTGTAGTAACTTACCATT 240

Qy 287 TTACATATGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTTCAAGTCTCA 346
Db 241 TTACATATGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTTCAAGTCTCA 300

Qy 347 CCTGCTTCAGTGAAGGACAAAGGTGCCAGCTGGGGATGTTGCCAGTCTTCTTGGAGT 406
Db 301 CCTGCTTCAGTGAAGGACAAAGGTGCCAGCTGGGGATGTTGCCAGTCTTCTTGGAGT 360

Qy 407 CATTTGGTTCAGTGTGCTACTTCTTCAATTTCCAGTGAAGAGGTTTGGTCTAAGAGTGAGC 466
Db 361 CATTTGGTTCAGTGTGCTACTTCTTCAATTTCCAGTGAAGAGGTTTGGTCTAAGAGTGAGC 420

Qy 467 AGAATCTGTGTGAGATGGGAGCAATTTGGTGTGTTTCAACACAGAGCAGAGCAAGATT 526
Db 421 AGAATCTGTGTGAGATGGGAGCAATTTGGTGTGTTTCAACACAGAGCAGAGCAAGATT 480

Qy 527 TCATTGTCAGCAGCTGAATGAGTCATTTCTTATTTTCTGGGCTTTCAGACCCCAAG 586
Db 481 TCATTGTCAGCAGCTGAATGAGTCATTTCTTATTTTCTGGGCTTTCAGACCCCAAG 540

Qy 587 GTAATAATAATTGGCAATGGATTAAGACACCTTATGAGAAAATGTGAGATTTTGGC 646
Db 541 GTAATAATAATTGGCAATGGATTAAGACACCTTATGAGAAAATGTGAGATTTTGGC 600

Qy 647 ACCTAGGTG 655
Db 601 AGTTCTGGG 609

RESULT 5
US-09-766-511b-71
; Sequence 71, Application US/09766511b
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
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```
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 1252
; TYPE: DNA
; ORGANISM: Mus sp.
; US-09-766-511b-71

Query Match      12.2%; Score 379.2; DB 3; Length 1252;
Best Local Similarity 73.8%; Pred. No. 1e-64;
Matches 555; Conservative 0; Mismatches 178; Indels 19; Gaps 5;

Qy 40 GCAGTTTGTCCCTGAGCTCTAGCTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTT 99
Db 72 GGAAGTTGATTTCTGAACTCTGGCTCTTTGACAGAGCCAGGTCCTGAGTCGTAATTTT- 130

Qy 100 AGGGAGAGAGGTACAAAAGTTCTCTGAGCTTCTCAACACAGGGAGCCTGCATAATGATG 159
Db 131 --GGAGACAGATGCAAGAAAACCCCT--GACCTTCTGAACATA---CACCTCAACAATGGTG 184

Qy 160 CAAGACACCAACCTCAAGATACAGAGAAAAGGGCTGTTGTCCTCGAGACTCTGGTCT 219
Db 185 CAGGAAAGCAATGCCA-----AGGGAAGGGAGTCTGCTGGACCTCGAGACTCTGGTCA 238

Qy 220 GTGGCTGGGATTTCCATTTGCACTTCCCTCAGTGTGCTTTCATTTGTGAGCTGTGTAGTAACT 279
Db 239 GCTGCTGTGATTTCCATGTTACTTCTTGAGTACTGTTTTCATTTGCGAGCTGTGTGGTCACT 298

Qy 280 TACCATTTTACATATATGTTGAAACTGTCGCAAAAGGCTGTCTGAACTACACTCATATCATCA 339
Db 299 TACCAATTTTATATGACAGCCAGCCAGTAGAAGACTATATGAACCTTCAACATACCATTC 358

Qy 340 AGTCTCACCTGCTTCAAGTGAAGGGACAAAGGTGCCAG-----CCTGGGAGTGTGCCCA 393
Db 359 AGTCTCACCTGCTTCAAGTGAAGGGACTATGGTGTGCAAGAAAATGTGGGGATGCTGCCCA 418

Qy 394 GCTTCTTGAAGTCAATTTGGTTCAGTTCCTTCACTTTCATTTCCAGTGAAGAGAGTGTGG 453
Db 419 AATCACTGGAGTCAATTTGGTTCAGTTCCTTCACTTTCATTTCCAGAGGAGAACTTCTGG 478

Qy 454 TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACAATTTGGTGTGTGTTCACACAGAA 513
Db 479 AGCACCAGTGAGCAGAACTGTGTTGAGATGGGGCTCATCTGGTGGTGTATCAATCACTGAA 538

Qy 514 GCAGACAGAAATTTCAATTTGTCAGCAGCTGAATGAGTCAATTTTCTTATTTCTTGGGGCTT 573
Db 539 GCGGAGCAGAAATTTCAATTTGTCAGCAGCTGAATGAGTCAATTTTCTTATTTCTTGGGGCTT 598

Qy 574 TCAGACCCCAAGGTAATAATTTGGCAATGGATTTGATGAAGACACCTTTATGAGAAAAAT 633
Db 599 TCGGATCCCAAGGTAATAATGGCAATGGCAATGGATGATGATCTCTTTCAGTCAAAAT 658

Qy 634 GTCAGATTTTGGCAGCTAGGAGGCCCAATCATTTCTGACAGAGCAATGTGCTTCAATGATC 693
Db 659 GTCAGGTTCTGGCACCCCATGAAACCAATCTTCCAGAGAGCGGTGTGTTTCAATGATTT 718

Qy 694 TTCTGGAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAGGAATTC 753
Db 719 TACTGGAATCTTCGAAATGGGGCTGGAATGATGTTTCTGTGATAGTAAACACAAATTC 778
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QY 754 ATATGTGAGATGAATAGATTACCTATGAGT 785
|||||
Db 779 ATATGTGAATGAAGAGATTACCTATGAGT 810

RESULT 6
US-10-270-470-3
; Sequence 3, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802OK
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 3
; LENGTH: 630
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(627)
; OTHER INFORMATION:
US-10-270-470-3

Query Match 12.1%; Score 376.2; DB 6; Length 630;
Best Local Similarity 76.2%; Pred. No. 2.9e-64;
Matches 478; Conservative 0; Mismatches 143; Indels 6; Gaps 1;

QY 163 GAGCAGCAACTCAAAGTACAGAGAAAGAGCGTGGTGTGCTCCCTGAGACTCTGTGTGTG 222
Db 4 GTGCAGAAAGACAAATCCCAAGGAAGGAGTCTGTGGACCTGAGACTCTGTGTGAGCT 63

QY 223 GCTGGGATTTCCATTGTCACCTCCTCAGTGTCTTTCATTGTGAGCTGTGTAGTAACCTTAC 282
Db 64 GCTGTGATTTCCATGTTACTCTTGAGTACCTGTTTTCATTGCGAGCTGTGTGGTGACTTAC 123

QY 283 CATTTTACATATGTGTAACCTGCAAAAGGCTGTCTGAACCTACACTCATATCATTTCAAGT 342
Db 124 CAATTTATATGACCCAGCCAGTATGAACTTACACATACCACTTCCAGT 183

QY 343 CTCACCTGCTTCAGTGAAGGACAAAAGGTGCCAG-----CCTGGGATGTTGCCAGCT 396
Db 184 CTCACCTGCTTCAGTGAAGGACTATGGTTCAGAAAAATGTGGGATGCTGCCAAAT 243

QY 397 TCTTGAAGTCAATTTGGTTTCAGTTGCTTACTTTCATTTCCTCAGTGAAGAGAGTTTGTCT 456
Db 244 CACTGGAAGTCAATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAGAACTTCTGGAGC 303

QY 457 AAGAGTACAGCAACTGTTGTGAGATGGGACACATTTGGTTGTTCACACAGAGCA 516
Db 304 ACCAGTACAGCAAACTGTGTTTCAGATGGGGGCTCATCTGGTGGTATCAATCTGGAAGCG 363

QY 517 GAGCAGAAATTCATTTGTCAGCAGCTGAATGAGTCAATTTCTTATTTCTTGGGCTTTCA 576
Db 364 GAGCAGAAATTCATCACCCAGCAGCTGAAAGAGTCACTTTCTTACTTCTCTGGGCTTTTCG 423

QY 577 GACCCCAAGGTAATAATAATTGGCAATGGAAATGATAGACACCTTATGAGAAAAATGTC 636
Db 424 GATCCCAAGGTAATGGCAAAATGGCAATGGATCGATGATATCTCTCTTCAGTCAAAATGTC 483
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QY 637 AGATTTTGGCACCTAGGTGAGCCCAATCAATCTTCAGAGCAATGTCTTCAATAGTCTTC 696
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Db 484 AGTTTCTGGCACCCCATGACCCCAATCTTCAGAGAGCGGTGTGTTTCAATAGTTTAC 543

QY 697 TGGAAACCTTACAGGATGGGGCTGGAAATGATGTTTATCTGTGAAACTAGAGGAATTTCAATA 756
|||||
Db 544 TGGAAATCCTTCGAAATGGGGCTGGAAATGATGTTTCTGTGTAGTAAACACAAATTCATA 603

QY 757 TGTGAGATGAATAAGATTTTACCTATGA 783
|||||
Db 604 TGTGAATGAAGAAGATTTTACCTATGA 630
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RESULT 7

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US-09-766-511b-72
; Sequence 72, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PRE
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 72
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-766-511b-72
```

```
Query Match 12.0%; Score 373.2; DB 3; Length 627;
Best Local Similarity 76.1%; Pred. No. 1.1e-63;
Matches 475; Conservative 0; Mismatches 143; Indels 6; Gaps 1;
```

```
QY 163 GAGCAGCAACTCAAAGTACAGAGAAAGAGCGTGGTGTGCTCCCTGAGACTCTGTGTGTG 222
Db 4 GTGCAGAAAGACAAATCCCAAGGAAGGAGTCTGTGGACCTGAGACTCTGTGTGAGCT 63

QY 223 GCTGGGATTTCCATTGTCACCTCCTCAGTGTGTTTTCATTGTGAGCTGTGTAGTAACCTTAC 282
Db 64 GCTGTGATTTCCATGTTACTCTTTGAGTACCTGTTTCAATTCGAGAGCTGTGTGGTGACTTAC 123

QY 283 CATTTTACATATGTGTAACCTGCAAAAGGCTGTCTGAACCTACACTCATATCATTTCAAGT 342
Db 124 CAATTTATATGACCCAGCCAGTATGAACTTACACATACCACTTCCAGT 183

QY 343 CTCACCTGCTTCAGTGAAGGACAAAAGGTGCCAG-----CCTGGGATGTTGCCAGCT 396
|||||
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Db 3425 ACAAATTTAAACATTTACATAATTTTAAATTAATTTGGGT-----ATACACTG 3378
QY 2849 AAGCTGAGTTTCAAAAGTGA---TTTTTTCCCAAAAGGTGCCAACACTTTAAGCTAGAG 2905
Db 3377 AAGCTGAGTTTCAAAAGTGATTTTTCCTCCCAAAAGTTTCAACACTTAAGCTAGAA 3318
QY 2906 CTTTCAGTGTAACTTTGGCCT-AAAAGTTAAGACATATTTCTGAGAAATCATATAGTCCAC 2964
Db 3317 CTTTCAGTGTAACTTTGGCCTAAAAAGTTAAGACATATTTCTGATAATCATACAGTCCAC 3258
QY 2965 ATGATTTCTGATCTATCTGCTGTGTAAATAACAAAGATTTC 3007
Db 3257 ATGATTTCTGATCTATCTGCTGTGTAAATAAAGTCTTTA 3215

RESULT 10
US-10-108-260A-2220/c
; Sequence 2220, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: HL-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2220
; LENGTH: 2209
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-2220

Query Match 11.4%; Score 356.2; DB 6; Length 2209;
Best Local Similarity 88.3%; Pred. No. 4.8e-60;
Matches 453; Conservative 0; Mismatches 33; Indels 27; Gaps 5;
QY 2510 ACAGCTTTATACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTTC 2569
Db 2209 ACAGCTTTATACACAACTTTTATTAGAAAAGTTATACATAACATAGCATCAACTATTTTC 2150
QY 2570 AAG-----AACCCTAAGCAACAAACCAGACTAACAAATGTGTACAGAA 2619
Db 2149 AAGCAACAATATTAAACCCGATAAGCAACAAACCAGACTAACAAATGTGTACAGAA 2090
QY 2620 ACTAATGACCTTTCTAAATCAAACTCAATTTATCTCAATGTCTATTACAAACAGGG 2679
Db 2089 ACTAATGACCTTTCTAAATCAAACTCAATTTATCTCAATGTCTTTTACAAACGGG 2030
QY 2680 AAAAATCCATGGTTTACAGGCATGTCTATTTGAAAATAAAGCTGCAATAGC-TTTTATATA 2738
Db 2029 AAAAATCCCTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAGCAATTTTATA 1970
QY 2739 CAATTATCGCTCTCAAGAAATGAATCATTTAAGACAGTAAATAGGAGTTTCAAAATTTAA 2798
Db 1969 CAATTATCGCTCTCAAGAAATGAATCATTTAAGACAGTAAATAGGAGTTTCAAAATTTAA 1910
QY 2799 AACATTTTCAGTAAATTTTAAATTTATGCTTCAATAATTTTAAATTTTGAAGTCTGAGT 2858
Db 1909 AACATTTTCAGTAAATTTTAAATTTATTTGGT-----ATACACTGAGTCTGAGT 1862
QY 2859 TTCAAAAGTGA---TTTTTTCCCAAAAGGTGCCAACACTTTAAGCTAGAGCTTTTCAAGTGT 2915
Db 1861 TTCAAAAGTGAATTTTTCCTCCCAAAAGTTTCAACACTTTAAGCTAGAACTTTTCAAGTGT 1802
QY 2916 TAACCTTGGCCCT-AAAAGTTAAGACATATTTCTGAGAAATCATATAGTACATGATTTTCTG 2974
Db 1801 TAACCTTGGCCCTTAAAGAGTTAAGACATATTTCTGATAATCATACAGTCACATGATTTTCTG 1742
QY 2975 ATGCTATCTGCTGTGTAAATAACAAAGATTTC 3007
Db 1741 ATGCTATCTGCTGTGTAAATAAAGTCTTTA 1709

RESULT 11
US-10-172-118-1260/c
; Sequence 1260, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1260
; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_006265
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-1260

Query Match 11.4%; Score 356.2; DB 6; Length 3647;
Best Local Similarity 88.3%; Pred. No. 6.1e-60;
Matches 453; Conservative 0; Mismatches 33; Indels 27; Gaps 5;
QY 2510 ACAGCTTTATACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTTC 2569
Db 3647 ACAGCTTTATACACAACTTTTATTAGAAAAGTTATACATAACATAGCATCAACTATTTTC 3588
QY 2570 AAG-----AACCCTAAGCAACAAACCAGACTAACAAATGTGTACAGAA 2619
Db 3587 AAGCAACAATATTAAACCCGATAAGCAACAAACCAGACTAACAAATGTGTACAGAA 3528
QY 2620 ACTAATGACCTTTCTAAATCAAACTCAATTTATCTCAATGTCTATTACAAACAGGG 2679
Db 3527 ACTAATGACCTTTCTAAATCAAACTCAATTTATCTCAATGTCTTTTACAAACGGG 3468
QY 2680 AAAAATCCATGGTTTACAGGCATGTCTATTTGAAAATAAAGCTGCAATAGC-TTTTATATA 2738
Db 3467 AAAAATCCCTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAGCAATTTTATA 3408
QY 2739 CAATTATCGCTCTCAAGAAATGAATCATTTAAGACAGTAAATAGGAGTTTCAAAATTTAA 2798
Db 3407 CAATTATCGCTCTCAAGAAATGAATCATTTAAGACAGTAAATAGGAGTTTCAAAATTTAA 3348
QY 2799 AACATTTTCAGTAAATTTTAAATTTATGCTTCAATAATTTTAAATTTTGAAGTCTGAGT 2858
Db 3347 AACATTTTCAGTAAATTTTAAATTTATTTGGT-----ATACACTGAGTCTGAGT 3300
QY 2859 TTCAAAAGTGA---TTTTTTCCCAAAAGGTGCCAACACTTTAAGCTAGAGCTTTTCAAGTGT 2915
Db 3299 TTCAAAAGTGAATTTTTCCTCCCAAAAGTTTCAACACTTTAAGCTAGAACTTTTCAAGTGT 3240
QY 2916 TAACCTTGGCCCT-AAAAGTTAAGACATATTTCTGAGAAATCATATAGTACATGATTTTCTG 2974
Db 3239 TAACCTTGGCCCTTAAAGAGTTAAGACATATTTCTGATAATCATACAGTCACATGATTTTCTG 3180
QY 2975 ATGCTATCTGCTGTGTAAATAACAAAGATTTC 3007
Db 3179 ATGCTATCTGCTGTGTAAATAAAGTCTTTA 3147

RESULT 12

US-10-342-887-1260/c
; Sequence 1260, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1260
; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-1260

Query Match 11.4%; Score 356.2; DB 7; Length 3647;
Best Local Similarity 88.3%; Pred. No. 6.1e-60;
Matches 453; Conservative 0; Mismatches 33; Indels 27; Gaps 5;

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Qy 3647 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTC 3588
Db |||||||
Qy 2570 AAG-----AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTTGAACAAGAA 2619
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Qy 3587 AAGAACAAATATTAAACCCGATAGCAACAAAAACCAGACTAACAAAATGTTGAACAAGAA 3528
Db |||||||
Qy 2620 ACTAATGACCTTTCTAAATCAACATTCATATCTACAAATGTTGAACAAGAA 2679
Db |||||||
Qy 3527 ACTAATGACCTTTCTAAATCAACATTCATATCTACAAATGTTGAACAAGAA 3468
Db |||||||
Qy 2680 AAAACTCCATGGTTTACAGCATGTCATATTGAAAATAAGCTGCAATAGC-TTTTATA 2738
Db |||||||
Qy 3467 AAAACTCCTTGGTTTACAGCATGTCATATTGAAAATAAGCTGCAATAGC-TTTTATA 3408
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Db |||||||
Qy 3407 CAATTACCCTCTGAAGAACTGAATCATTAAGACAGTAATTAAGAGTTCACAAATTTAA 3348
Db |||||||
Qy 2799 AACATTCAGTAATTTTAAATTTATGCTTCAATATTTTAAATTTTGAAGTCTGAGT 2858
Db |||||||
Qy 3347 AACATTTCAATAATTTTAAATTTATTTGGGT-----ATACACTGAAGTCTGAGT 3300
Db |||||||
Qy 2859 TTCAAAAGTGA---TTTTTCCCAAGAGTGCCACACTTAAGCTAGAGCTTTTCAGTGT 2915
Db |||||||
Qy 3299 TTCAAAAGTGAATTTTTCACAAAAGTTTTCACAACTTAAGCTAGAGCTTTTCAGTGT 3240
Db |||||||
Qy 2916 TAACTTTGCCCT-AAAGTTTAAGACATATTTCTGAGAAATCATATAGTCACATGATTTCTG 2974
Db |||||||
Qy 3239 TAACTTTGCCCTAAAGTTTAAGACATATTTCTGATATCATACATGATTTCTG 3180
Db |||||||
Qy 2975 ATGCTATCTGCTGTTTAAATAACAAGATTCA 3007
Db |||||||
Qy 3179 ATGCTATCTGCTGTTTAAATAAAGTCTTTA 3147
Db |||||||

RESULT 13
US-10-848-755A-148/c
; Sequence 148, Application US/10848755A

; Publication No. US20050054826A1
; GENERAL INFORMATION:
; APPLICANT: Mao, Mao
; TITLE OF INVENTION: HUMAN DIAPHANOUS-3 GENE AND METHODS OF USE THEREFOR
; FILE REFERENCE: 9301-196-999
; CURRENT APPLICATION NUMBER: US/10/848,755A
; CURRENT FILING DATE: 2004-05-18
; PRIOR APPLICATION NUMBER: 60/471,842
; PRIOR FILING DATE: 2003-05-11
; NUMBER OF SEQ ID NOS: 275
; SOFTWARE: Patentin version 3.2 CAM: 301891-999188
; SEQ ID NO 148
; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-848-755A-148

Query Match 11.4%; Score 356.2; DB 9; Length 3647;
Best Local Similarity 88.3%; Pred. No. 6.1e-60;
Matches 453; Conservative 0; Mismatches 33; Indels 27; Gaps 5;

Qy 2510 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTC 2569
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Qy 3647 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTC 3588
Db |||||||
Qy 2570 AAG-----AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTTGAACAAGAA 2619
Db |||||||
Qy 3587 AAGAACAAATATTAAACCCGATAGCAACAAAAACCAGACTAACAAAATGTTGAACAAGAA 3528
Db |||||||
Qy 2620 ACTAATGACCTTTCTAAATCAACATTCATATCTACAAATGTTGAACAAGAA 2679
Db |||||||
Qy 3527 ACTAATGACCTTTCTAAATCAACATTCATATCTACAAATGTTGAACAAGAA 3468
Db |||||||
Qy 2680 AAAACTCCATGGTTTACAGCATGTCATATTGAAAATAAGCTGCAATAGC-TTTTATA 2738
Db |||||||
Qy 3467 AAAACTCCTTGGTTTACAGCATGTCATATTGAAAATAAGCTGCAATAGC-TTTTATA 3408
Db |||||||
Qy 2739 CAATTATCGCTCTCAAGAAAATGAATCATTAAGACAGTAATTAAGAGTTCACAAATTTAA 2798
Db |||||||
Qy 3407 CAATTACCCTCTGAAGAACTGAATCATTAAGACAGTAATTAAGAGTTCACAAATTTAA 3348
Db |||||||
Qy 2799 AACATTCAGTAATTTTAAATTTATGCTTCAATATTTTAAATTTTGAAGTCTGAGT 2858
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Qy 3347 AACATTTCAATAATTTTAAATTTATTTGGGT-----ATACACTGAAGTCTGAGT 3300
Db |||||||
Qy 2859 TTCAAAAGTGA---TTTTTCCCAAGAGTGCCACACTTAAGCTAGAGCTTTTCAGTGT 2915
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Qy 3299 TTCAAAAGTGAATTTTTCACAAAAGTTTTCACAACTTAAGCTAGAGCTTTTCAGTGT 3240
Db |||||||
Qy 2916 TAACTTTGCCCT-AAAGTTTAAGACATATTTCTGAGAAATCATATAGTCACATGATTTCTG 2974
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Qy 3239 TAACTTTGCCCTAAAGTTTAAGACATATTTCTGATATCATACATGATTTCTG 3180
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Qy 2975 ATGCTATCTGCTGTTTAAATAACAAGATTCA 3007
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Qy 3179 ATGCTATCTGCTGTTTAAATAAAGTCTTTA 3147
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RESULT 14
US-10-756-149-1/c
; Sequence 1, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AN
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1

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; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-756-149-1

Query Match      11.4%; Score 356.2; DB 9; Length 3647;
Best Local Similarity 88.3%; Pred. No. 6.1e-60; Indels 27; Gaps 5;
Matches 453; Conservative 0; Mismatches 33;

QY 2510 ACAGCTTTATAACACAACTTTTATTAGAAAAGTTTATACATAACACAGCATCAACTATTTTC 2569
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QY 2680 AAAAAGCTTCCATGGTTTACAGGCATGTCTATTTGAAAATAAAGCTGCAATAGC-TTTTTATA 2738
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QY 2859 TTCAAAAGTGA---TTTTTCCCAAAAGGTGCCAACACACTTAAGCTAGAGCTTTTCAGTGT 2915
Db 3299 TTCAAAAGTGAATTTTTCCTCCCAAAAGTTTCAACACTTAAGCTAGAGCTTTTCAGTGT 3240

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Db 3239 TAACTTTGCCCTAAAGTTTAAGACATATTTCTGATATCATATACAGTCAATGATTTCTG 3180

QY 2975 ATGCTATCTCTCTGTTTAAATAACAAAGATTTC 3007
Db 3179 ATGCTATCTCTGTTTAAATAAAGTCTTTA 3147

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Job time : 2251.31 secs
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; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-756-149-1

Query Match      11.4%; Score 356.2; DB 9; Length 3647;
Best Local Similarity 88.3%; Pred. No. 6.1e-60; Indels 27; Gaps 5;
Matches 453; Conservative 0; Mismatches 33;

QY 2510 ACAGCTTTATAACACAACTTTTATTAGAAAAGTTTATACATAACACAGCATCAACTATTTTC 2569
Db 3647 ACAGCTTTATAACACAACTTTTATTAGAAAAGTTTATACATAACACAGCATCAACTATTTTC 3588

QY 2570 AAG-----AACCAATAAGCAACAAAAACCGAGCTAACAAAATGTGTAAACAGAA 2619
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QY 2620 ACTAATGACCTTTCTAAATCAACATTTCAATTTATCTACAAATCTCTATTTTACAAACAGGG 2679
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QY 2739 CAATTATCGCTCTCAAGAAAATGAATCAATTAAGACAGTAATTAGGAGTTTCAAAAATTTAA 2798
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QY 2799 AACATTTACGTAATTTTAAATTTATTTGCTTTCAATTAATTTTAAATTTTGAAGTCTGAGT 2858
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QY 2916 TAACTTTGCCCT-AAAGTTTAAGACATATTTCTGAGATCATATATAGTCAATGATTTCTG 2974
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QY 2975 ATGCTATCTCTCTGTTTAAATAACAAAGATTTC 3007
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RESULT 15
US-10-060-036-1924
; Sequence 1924, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1924
; LENGTH: 526
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 50, 87, 226, 266, 350, 381, 420, 430, 455
; OTHER INFORMATION: n = A,T,C or G
US-10-060-036-1924
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	364.6	11.7	3659	US-10-821-234-75	Sequence 75, Appl
C 2	356.2	11.4	3647	US-11-112-908-4	Sequence 4, Appl
3	346.6	11.1	19363	US-11-112-908-32	Sequence 32, Appl
C 4	81.4	2.6	173602	US-11-121-086-25	Sequence 25, Appl
5	81.2	2.6	173120	US-11-114-798-55	Sequence 55, Appl
6	81.2	2.6	182303	US-11-121-086-45	Sequence 45, Appl
7	80.6	2.6	595	US-09-925-065A-659928	Sequence 659928,
8	75	2.4	584	US-09-925-065A-635846	Sequence 635846,
C 9	74.4	2.4	559	US-09-925-065A-304160	Sequence 304160,
10	74.2	2.4	566	US-10-301-480-498555	Sequence 498555,
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13	73.8	2.4	560	US-09-925-065A-436943	Sequence 436943,
C 14	73.8	2.4	861	US-09-925-065A-724976	Sequence 724976,
15	73.6	2.4	585	US-09-925-065A-87038	Sequence 87038, A
16	73.6	2.4	565	US-09-925-065A-87039	Sequence 87039, A
17	73.6	2.4	565	US-10-301-480-188278	Sequence 188278,
18	73.6	2.4	565	US-10-301-480-188279	Sequence 188279,

19	73.6	2.4	565	10	US-10-301-480-801687	Sequence 801687,
20	73.6	2.4	565	10	US-10-301-480-801688	Sequence 801688,
C 21	73.6	2.4	582	6	US-09-925-065A-940497	Sequence 940497, A
22	73.6	2.4	628	6	US-09-925-065A-64490	Sequence 64490, A
C 23	73.6	2.4	628	6	US-09-925-065A-64491	Sequence 64491, A
C 24	73.6	2.4	628	9	US-10-301-480-165728	Sequence 165728,
C 25	73.6	2.4	628	9	US-10-301-480-165729	Sequence 165729,
C 26	73.6	2.4	628	10	US-10-301-480-779137	Sequence 779137,
C 27	73.6	2.4	628	10	US-10-301-480-779138	Sequence 779138,
C 28	73.4	2.4	597	6	US-09-925-065A-884403	Sequence 884403,
C 29	73.4	2.4	188056	14	US-11-120-925-1	Sequence 1, Appl
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C 33	73	2.3	528	6	US-09-925-065A-851225	Sequence 851225,
C 34	73	2.3	592	6	US-09-925-065A-939765	Sequence 939765,
C 35	72.8	2.3	201	8	US-10-995-561-35174	Sequence 35174, A
36	72.8	2.3	149382	8	US-10-995-561-13272	Sequence 13272, A
C 37	72.6	2.3	578	10	US-10-301-480-570705	Sequence 570705,
C 38	72.6	2.3	578	10	US-10-301-480-1184114	Sequence 1184114,
C 39	72.6	2.3	807	10	US-10-301-480-536459	Sequence 536459,
C 40	72.6	2.3	807	10	US-10-301-480-1149868	Sequence 1149868,
C 41	72.6	2.3	191797	14	US-11-121-086-13	Sequence 13, Appl
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44	72.2	2.3	582	10	US-10-301-480-946641	Sequence 946641,
C 45	72.2	2.3	592	6	US-09-925-065A-676298	Sequence 676298,

ALIGNMENTS

RESULT 1
US-10-821-234-75
; Sequence 75, Application US/10821234
; Publication No. US2005055114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 75
; LENGTH: 3659
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-75

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Gaps	5						
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QY	2560	AACTATTTTTCAG-----AACCCCAATAGCAACAAAACCCAGCTAACAAAATGT	2609				
Db	63	AACTATTTTTCAGAAACAATTTAAACCCGATAGCAACAAAACCCAGCTAACAAAATGT	122				
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Db 243 CAATTTTATACAAATACCACCTCTGAAGAAACTGAATCATTAATAACAGTAATACGAGTTC 302
QY 2789 ACAAAATTAACACATTTACAGTAATTTTAAATTTATTTGCTCTCAATAATTTAAATTTATTTG 2848
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Db 471 ATGATTTCTGATGCTATCTGCTCTGTTTAAATAAAGTCTTTA 513

RESULT 2
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; Sequence 4, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-4

Query Match 11.4%; Score 356.2; DB 14; Length 3647;
Best Local Similarity 88.3%; Pred. No. 3e-49;
Matches 453; Conservative 0; Mismatches 33; Indels 27; Gaps 5;
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Db 3407 CAATTTATCGTCTCAAGAAAATGAATCATTTAAGACAGTAATTAGGAGTTTCAAAAATTTAA 3348

QY 2799 AACATTTACGTAAATTTTAAATTTATTTGCTCTCAATAAATTTTAAATTTATTTGAAGTCTGAGT 2858
Db 3347 AACATTTACATAAATTTTAAATTTATTTGGT-----ATACACTGAAGTCTGAGT 3300
QY 2859 TTTCAAAGTGA-----TTTTTCCCAAAAGGTGCCAACACTTTAAGCTAGAGCTTTTCAGTGT 2915
Db 3299 TTTCAAAGTGAATTTTTTTTTTCCCAAAAGTTTCAACACTTTAAGCTAGAACTTTTCAGTGT 3240
QY 2916 TTAACCTTGGCCCT-AAAAGTTAAGACATATTTCTGAGATCATATAGTACATGATTTCTG 2974
Db 3239 TTAACCTTGGCCCTAAAAGTTAAGACATATTTCTGATAATCATAAACAGTCAATGATTTCTG 3180
QY 2975 ATGCTATCTGCTCTGTTTAAATAACAAGATTTC 3007
Db 3179 ATGCTATCTGCTCTGTTTAAATAAAGTCTTTA 3147

RESULT 3
US-11-112-908-32
; Sequence 32, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 32
; LENGTH: 193363
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-32

Query Match 11.1%; Score 346.6; DB 14; Length 193363;
Best Local Similarity 87.1%; Pred. No. 3.3e-47;
Matches 447; Conservative 0; Mismatches 39; Indels 27; Gaps 5;
QY 2509 TACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTT 2568
Db 73712 TACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACATAGCATCAACTATTTT 73771
QY 2569 CAAG-----AACCCCAATAAGCAACAAAAACAGACTAACAAAAATGTTAACAAAG 2618
Db 73772 CAAGAACAAATATTAAACCCGATAGCAACAAAAACAGACTAACAAAAATGTTAACAAAG 73831
QY 2619 AACTAATGACCTTTCTAAAATCAACATTCATTTATCTACAATGCTCTATTATTACAAACAGG 2678
Db 73832 AACTAATGACCTTTCTAAAATCAACATTCATTTATCTACAATGCTCTTTTACAAACGGG 73891
QY 2679 GAAAGCTCCATGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTTAT 2737
Db 73892 GAAAGCTCCATGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTTAT 73951
QY 2738 ACAATTTATCGTCTCAAGAAAATGAATCATTTAAGACAGTAATTAGGAGTTTCAAAAATTTA 2797
Db 73952 ACAATTTATCGTCTCAAGAAAATGAATCATTTAAGACAGTAATTAGGAGTTTCAAAAATTTA 74011
QY 2798 AACATTTACGTTAATTTTAAATTTATTTGCTCTCAATAATTTTAAATTTATTTGAAGTCTGAG 2857
Db 74012 AACATTTACATAAATTTTAAATTTATTTGGT-----ATACACTGAAGTCTGAG 74059

Db 429 GCATAAAACACTCTGTTATTTCAGTTTTTACTCTCGAATTTTACCAGATATACTAAGCA 488
Qy 2605 AATGTGTAACAGAACTAATGACCTTCTATAAATCAACAACTTCAATATCTACAAT 2661
Db 489 AAATGGAAGAAATATCTTATATATTTTAAATAAGTTAACTTCCTTAACAAATAT 545

RESULT 8

US-09-925-065A-635846
; Sequence 635846, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 635846
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-635846

Query Match 2.4%; Score 75; DB 6; Length 584;
Best Local Similarity 66.3%; Pred. No. 0.004;
Matches 108; Conservative 0; Mismatches 55; Indels 0; Gaps 0;
Qy 2948 AGAATCATATAGTCACATGATTTCTGATGCTATCTGCTGTTAATAACAAAGATTTC 3007
Db 143 AGCATTAGAAGATATACCTAATGTAATGATGGTTAATGGTGCAGCACCAACATGG 202
Qy 3008 CACATGATACCTATGTAAACAAATCTCCATGCTTCTACACATATACCCAGAACTTTAAAGT 3067
Db 203 CACATGGATACATATGTAAACAACTGCACGCTTGTGCATGTACCTAGAACTTAAAGT 262
Qy 3068 ATAATAATAATAAAACATAGCAAGCCCTTTAAAAAAGAAAAA 3110
Db 263 ATAATAATAATAAAAGAAAAAACAACAAAGAAACAAAAA 305

RESULT 9

US-09-925-065A-304160/c
; Sequence 304160, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846

; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 304160
; LENGTH: 559
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-304160

Query Match 2.4%; Score 74.4; DB 6; Length 559;
Best Local Similarity 75.0%; Pred. No. 0.005;
Matches 93; Conservative 0; Mismatches 31; Indels 0; Gaps 0;
Qy 2989 GTTAATAACAAAGATTTCACACATGAATACCTATGTAACAAATCTCCATGTTCTACACAT 3048
Db 326 GTCAGCACACCAATATGGCACAATGATACATATGTAACAAACCTGCACATTTGGCACAT 267
Qy 3049 ATACCCAGAACTTAAAGTATATATATATAATAACATAGCAAGCCCTTTAAAAAAGAAAA 3108
Db 266 GTACCCCTAAAACTTAAAGTATATAATAATAATAATAATAATAATAATAATAATAATA 207
Qy 3109 AAAA 3112
Db 206 AGAA 203

RESULT 10

US-10-301-480-498555
; Sequence 498555, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 498555
; LENGTH: 566
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-498555

Query Match 2.4%; Score 74.2; DB 10; Length 566;
Best Local Similarity 65.8%; Pred. No. 0.0054;
Matches 106; Conservative 1; Mismatches 54; Indels 0; Gaps 0;
Qy 2949 GAATCATATAGTCACATGATTTCTGATGCTATCTGCTGTTAATAACAAAGATTTCAC 3008
Db 4 GCATTAGGAGAAATACCTAATGTAATGATGGTGCAGCACCAACATGGC 63
Qy 3009 ACATGATACCTATGTAACAAATCTCCATGTTCTACACATATACCCAGAACTTAAAGTA 3068
Db 64 ACATGATACCTATGTAACAAACCTGCACGTTGTGCACATGTACCCCTAGAACTTGAAGTA 123
Qy 3069 TAATAATAATAAAACATAGCAAGCCCTTTAAAAAAGAAAAA 3109
Db 124 TAATAATAAAAGATATTAACATTTTAAACAAAAA 164

RESULT 11

US-10-301-480-1111964
; Sequence 1111964, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms

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OM nucleic - nucleic search, using sw model

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Searched: 9258654 seqs, 1993127192 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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 - 2: /SIDSS5/ptodata/1/pubpna/US06_NEW_PUB_seq.*
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 - 11: /SIDSS5/ptodata/1/pubpna/US11_NEW_PUB_seq.*
 - 12: /SIDSS5/ptodata/1/pubpna/US11_NEW_PUB_seq.*
 - 13: /SIDSS5/ptodata/1/pubpna/US11_NEW_PUB_seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	44.2	7.0	1364	14	US-11-000-688-183
2	43.6	7.0	1659	14	US-11-152-697-8
3	43.6	7.0	3039	14	US-11-152-697-1
4	37.8	6.0	549	6	US-09-925-065A-466884
5	34.8	5.6	52192	8	US-10-995-561-13231
6	34.6	5.5	18959	11	US-11-085-320-268
7	34.4	5.5	635	6	US-09-925-065A-796643
8	34.2	5.5	585	6	US-09-925-065A-931794
9	34.2	5.5	587	6	US-09-925-065A-923541
10	34.2	5.5	6507	9	US-10-932-182A-802
11	34.2	5.5	6507	9	US-10-932-182A-802
12	34	5.4	625	6	US-09-925-065A-947330
13	34	5.4	220895	8	US-10-775-169-88
14	33.8	5.4	741	10	US-10-301-480-601384
15	33.8	5.4	741	10	US-10-301-480-1214793
16	33.8	5.4	1400	14	US-11-136-527-4351
17	33.8	5.4	4554	14	US-11-136-527-255
18	33.6	5.4	1457619	14	US-11-098-686-8739

C 19	33.4	5.3	534	6	US-09-925-065A-547121	Sequence 547121,
C 20	33.4	5.3	534	10	US-10-301-480-525071	Sequence 525071,
C 21	33.4	5.3	534	10	US-10-301-480-1138480	Sequence 1138480,
C 22	33.2	5.3	754	6	US-09-925-065A-925710	Sequence 925710,
C 23	33.2	5.3	809	6	US-09-925-065A-925711	Sequence 925711,
C 24	33	5.3	2174	8	US-10-750-185-31302	Sequence 31302, A
C 25	33	5.3	2174	8	US-10-750-623-31302	Sequence 31302, A
C 26	33	5.3	191331	14	US-11-113-908-20	Sequence 20, Appl
C 27	32.8	5.2	545	6	US-09-925-065A-627916	Sequence 627916,
C 28	32.8	5.2	556	6	US-09-925-065A-766568	Sequence 766568,
C 29	32.8	5.2	558	9	US-10-301-480-7018	Sequence 7018, Ap
C 30	32.8	5.2	558	10	US-10-301-480-620427	Sequence 620427,
C 31	32.8	5.2	562	6	US-09-925-065A-764381	Sequence 764381,
C 32	32.8	5.2	660	6	US-09-925-065A-778123	Sequence 778123,
C 33	32.8	5.2	666	6	US-09-925-065A-742986	Sequence 742986,
C 34	32.8	5.2	1261	14	US-11-169-041-83	Sequence 83, Appl
C 35	32.8	5.2	1714	11	US-11-096-568A-7360	Sequence 7360, Ap
C 36	32.8	5.2	3012	6	US-09-925-065A-709410	Sequence 709410,
C 37	32.8	5.2	3012	6	US-09-925-065A-709411	Sequence 709411,
C 38	32.4	5.2	548	6	US-09-925-065A-304049	Sequence 304049,
C 39	32.4	5.2	553	10	US-10-301-480-380153	Sequence 380153,
C 40	32.4	5.2	553	10	US-10-301-480-993562	Sequence 993562,
C 41	32.4	5.2	562	6	US-09-925-065A-224960	Sequence 224960,
C 42	32.4	5.2	568	10	US-10-301-480-309664	Sequence 309664,
C 43	32.4	5.2	568	10	US-10-301-480-923073	Sequence 923073,
C 44	32.4	5.2	598	6	US-09-925-065A-605836	Sequence 605836,
C 45	32.4	5.2	756	10	US-10-301-480-553280	Sequence 553280,

ALIGNMENTS

RESULT 1

US-11-000-688-183
; Sequence 183, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 183
; LENGTH: 1364
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(1364)
; OTHER INFORMATION: killer cell lectin-like receptor subfamily
; OTHER INFORMATION: d, member 1 (KLRD1) gene.
US-11-000-688-183

Query Match	7.0%;	Score 44.2;	DB 14;	Length 1364;
Best Local Similarity	53.1%;	Pred. No. 0.024;		
Matches	94;	Conservative	0;	Mismatches 83;
			Indels	0;
			Gaps	0;
QY	201	CAGTGAAGGACAAAGTCCAGCTGGGATGTTGCCAGCTTCTTTGGAAGTCATTGG	260	
Db	407	CATGAACCTCCAGAAAGACTCTGACTGCTGTTCTTGCCAGAAATGGTGGTACCG	466	
QY	261	TTCCAGTTGCTACTTTCATTTCCAGTCAAGAGGTTTGGTCTTAAGAGTGAGCAACTG	320	
Db	467	GTGCAACTGTCTTACTTTCATTTCCAGTCAAGAGGTTTGGTCTTAAGAGTGAGCAACTG	526	


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; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-995-561-13231

Query Match      5.6%; Score 34.8; DB 8; Length 52192;
Best Local Similarity 54.8%; Pred. No. 95;
Matches 69; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

Qy 77 TTTCATTGCACTCTCAGTCTGCTTTCATTGTCAGCTGTGTAGTAACCTTACCATTTTA 136
Db 10878 TTCCATTTCAGTCACAGTCGTCGGCCAGGGCCAGGTATGCAGTAGTTACTCAATACA 10819

Qy 137 CATATGCTGAAGTGGCAAAAGGCTGTCTGAACCTACACTCATATCATCTTAAGTCTACCT 196
Db 10818 TGATGGGTGAATTAAGTAGAGGGGTGGCAGGGTGTCTGTCTGAATCCAGCTCTACCT 10759

Qy 197 GCTTCA 202
Db 10758 GTTTC 10753

RESULT 6
US-11-085-320-268/c
; Sequence 268, Application US/11085320
; Publication No. US20060057605A1
; GENERAL INFORMATION:
; APPLICANT: Sampath, Rangarajan
; APPLICANT: Hall, Thomas A.
; APPLICANT: Ebeho, Mark W.
; TITLE OF INVENTION: COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER
; FILE REFERENCE: IBIS0073-100 (DIBIS-0056U51)
; CURRENT APPLICATION NUMBER: US/11/085,320
; CURRENT FILING DATE: 2005-03-21
; NUMBER OF SEQ ID NOS: 275
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 268
; LENGTH: 18959
; TYPE: DNA
; ORGANISM: Ebola Zaire virus
; FEATURE:
US-11-085-320-268

Query Match      5.5%; Score 34.6; DB 11; Length 18959;
Best Local Similarity 54.3%; Pred. No. 64;
Matches 70; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 264 CAGTTGCTACTTCATTTCCAGTGNAGAGAAGTTTGGTCTTAAGTGCAGCAGAACTGTGT 323
Db 1700 CAGTGATAGCTTCTGTGCAGCTTGCCAGCGCTCTTTTCTTAGAGTTACCATAGCGTTG 1641

Qy 324 TGAGATGGGAGCAGCATTTGGTTGGTTCAACACAGAGCAGAGCAGAGAAATTCATTGTC 383
Db 1640 TTGTCTGGAAGCTGATTTTCGTTCTTTTCTGATGAAGTTTCATAAGAAATTTCTTCT 1581

Qy 384 GCAGCTCAA 392
Db 1580 GATCATCAA 1572

RESULT 7
US-09-925-065A-796643/c
; Sequence 796643, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: Nucleotide Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 931794
; LENGTH: 585
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-925-065A-796643

Query Match      5.5%; Score 34.2; DB 6; Length 585;
Best Local Similarity 51.7%; Pred. No. 14;
Matches 75; Conservative 1; Mismatches 69; Indels 0; Gaps 0;

Qy 370 AATTTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTTCAGACCCA 429
Db 331 AATTAGATTGTCTCACCCTGGATTGAGGGTGGATCTGCTTTCCCAACCCCACTGACTCA 272

Qy 430 CAAGGTAATAAATTTGGCAATGGATGATGATAGACACCTTATAGAGAAAATGTCAGATT 489
Db 271 AATGTTAATCTCTTTTGGCAATACCTTCACAGACACACCCAGGATAAATCTTATATCC 212

Qy 490 TGGCACCTAGGTGAGCCCAATCATT 514
Db 211 TTCAATCAAGTTGACACCCAGTATT 187
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RESULT 9
US-09-925-065A-923541
; Sequence 923541, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 923541
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-923541

Query Match      5.5%; Score 34.2; DB 6; Length 587;
Best Local Similarity 51.7%; Pred. No. 14;
Matches 75; Conservative 1; Mismatches 69; Indels 0; Gaps 0;

QY 370 AATTTCATGTCAGCAGCTGAATGAGTCAATTTCTTATTTCTGGGGCTTTCCAGACCCA 429
DB 255 AATTAGATTGCTCACCGGATGAGGGTGGATCTGCCCTTCCCARCCCGCTGACTCA 314

QY 430 CAAGGTAAATTAATTTGGCAATGATTAAGACACCTTATGAGAAAATGTCAGATTT 489
DB 315 AATGTTAATCTCTTTGGCAATACCCCTCACAGACACACCCAGGATAAATCTTCATATCC 374

QY 490 TGGCACCTAGGTGAGCCCAATCATTT 514
DB 375 TTCAATCAAGTTGACACCCAGTATT 399

RESULT 10
US-10-932-182A-802/c
; Sequence 802, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 802
; LENGTH: 6507
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-802

Query Match      5.5%; Score 34.2; DB 9; Length 6507;
Best Local Similarity 49.2%; Pred. No. 49;
Matches 90; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 170 TACACTCATATCATTCNAAGTCTCAGTGAAGGGACAAAAGTGCCAGCTGGG 229
DB 3763 TAAAGTCAGAGTAATGGTTTTTCCACCAAGTCAGTATAGCTTCAGCGGCGCCAAATTGGA 3704

QY 230 GATGTTGCCAGCTCTTCTGGAAAGTCATTTGGTTCCAGTTGCTACTTCAATTCAGTGAAG 289
DB 3703 TTTTGGCCATATAAAACAGGGTTTACATTTTTTTCGTCGAGAACCTTCATGTCCCATACAG 3644

QY 290 AGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGAGCAGACATTTGGTTGTGT 349
DB 3643 GAAAAATTTTGAATGTTAAAGGCTTAACGATGAAGATGCTATGTTAGCATCCTCTGTCAATTT 3584

QY 350 TCA 352
DB 3583 TCA 3581

RESULT 11
US-10-932-182A-802/c
; Sequence 802, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 802
; LENGTH: 6507
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-802

Query Match      5.5%; Score 34.2; DB 9; Length 6507;
Best Local Similarity 49.2%; Pred. No. 49;
Matches 90; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 170 TACACTCATATCATTCNAAGTCTCAGTGAAGGGACAAAAGTGCCAGCTGGG 229
DB 3763 TAAAGTCAGAGTAATGGTTTTTCCACCAAGTCAGTATAGCTTCAGCGGCGCCAAATTGGA 3704

QY 230 GATGTTGCCAGCTCTTCTGGAAAGTCATTTGGTTCCAGTTGCTACTTCAATTCAGTGAAG 289
DB 3703 TTTTGGCCATATAAACAGGGTTTACATTTTTTTCGTCGAGAACCTTCATGTCCCATACAG 3644

QY 290 AGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGAGCAGACATTTGGTTGTGT 349
DB 3643 GAAAAATTTTGAATGTTAAAGGCTTAACGATGAAGATGCTATGTTAGCATCCTCTGTCAATTT 3584

QY 350 TCA 352
DB 3583 TCA 3581

RESULT 12
US-09-925-065A-947330/c
; Sequence 947330, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
```



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;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 131 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
;
US-08-772-440-23

Query Match          48.5%; Score 565; DB 2; Length 131;
Best Local Similarity 73.3%; Pred. No. 1.5e-52;
Matches 96; Conservative 11; Mismatches 24; Indels 0; Gaps 0;

QY 79 CPASWKSFGSSCYFISSEKVKWSKSEONCVEMGAHLVFNTEAEQNFIVQQLNESFSYFL 138
Db 1 CPNHWKSGSSCYLSTKENFWSTSEONCVQMGAGHLVFNTEAEQNFIVQQLNESFSYFL 60

QY 139 GLSDPGQNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCAIVFWKPTGWNVDVICETRR 198
Db 61 GLSDPGQNGKQWQWIDTTPSQNVRFWHPHPNLPPEERCYSIVVWNPFSKGMWNVFCDSKH 120

QY 199 NSICEMNKIYL 209
Db 121 NSICEMNKIYL 131

RESULT 7
US-08-772-440-27
; Sequence 27, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 131 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
;
US-08-772-440-27

Query Match          48.5%; Score 565; DB 2; Length 131;
Best Local Similarity 73.3%; Pred. No. 1.5e-52;
Matches 96; Conservative 11; Mismatches 24; Indels 0; Gaps 0;

QY 79 CPASWKSFGSSCYFISSEKVKWSKSEONCVEMGAHLVFNTEAEQNFIVQQLNESFSYFL 138
Db 1 CPNHWKSGSSCYLSTKENFWSTSEONCVQMGAGHLVFNTEAEQNFIVQQLNESFSYFL 60
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QY 139 GLSDPGQNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCAIVFWKPTGWNVDVICETRR 198
Db 61 GLSDPGQNGKQWQWIDTTPSQNVRFWHPHPNLPPEERCYSIVVWNPFSKGMWNVFCDSKH 120

QY 199 NSICEMNKIYL 209
Db 121 NSICEMNKIYL 131

RESULT 8
US-08-772-440-16
; Sequence 16, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 134 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
;
US-08-772-440-16

Query Match          42.3%; Score 493; DB 2; Length 134;
Best Local Similarity 57.5%; Pred. No. 7.6e-45;
Matches 96; Conservative 10; Mismatches 23; Indels 38; Gaps 4;

QY 1 MMQEQPQSTEXKRG--WLSRLWSVAGISALLSACFIVSCVVTYFTYGETGKRLSELH 58
Db 1 MVQERQSQG---KGVCW-TLRLWSAAVISMILLSTCTFIASCV----- 38

QY 59 SYHSSLTCTFSEGTKVPAWGCCPASWKSFGSSCYFISSEKVKWSKSEONCVEMGAHLVFN 118
Db 39 -----EKMGCCPNHWKSGSSCYLSTKENFWSTSEONCVQMGAGHLVFN 84

QY 119 TEAEQNFIVQQLNESFSYFLGLSDPGQNNWQWIDKTPYEKNVRFW 165
Db 85 TEAEQNFITQQLNESLSYFLGLSDPGQNGKQWIDTTPSQNVRFW 131

RESULT 9
US-09-111-470-2
; Sequence 2, Application US/09111470
; Patent No. 6277959
```

GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Ford, John
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane Protein Genes;
TITLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,470
FILING DATE: 08-JUL-1998
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Chang, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 237 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-111-470-2

Query Match 39.3%; Score 458; DB 2; Length 237;
Best Local Similarity 44.4%; Pred. No. 9.2e-41;
Matches 83; Conservative 34; Mismatches 66; Indels 4; Gaps 3;

Qy 26 ISIALSACFIVSCVVTYHFTYGETGKRLSELHSHSLTCFSEGTKV--PANGCCPASW 83
Db 52 IFFLLLAISFFIAFVIFFO-KYSQLEKKTTELKELVHTTLECVKKNMPVEBTAWSCCPKNW 110

Qy 84 KSPGSSCYFTSSEKVKWSKSEONCVEMGAHLVVFTEAQNFIQQLNESFSYFLGLSDP 143
Db 111 KSPSSNCYFTISTESASQWQSEKDCARMEAHLLVINTQEQDFIQNLQESAYFVGLSDP 170

Qy 144 QGNNNQWIDKTPYEKNVRFHLPNHSABOACASIVFWK-PTGWNVDVICETRRNSIC 202
Db 171 EGQRHWQVDDTPYNESSTFWHPRESDPNERCVLNFPRKSPKRWGNDVNCILGPQRSVC 230

Qy 203 EMNKIYL 209
Db 231 EMMKIHL 237

RESULT 10
US-09-862-802A-2
Sequence 2, Application US/09862802A
Patent No. 6756478
GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth Ester Mary

APPLICANT: Ford, John
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Saeland, Sem
TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
FILE REFERENCE: SF0695 B
CURRENT APPLICATION NUMBER: US/09/862,802A
CURRENT FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/053,080
PRIOR FILING DATE: 1997-07-09
PRIOR APPLICATION NUMBER: US 09/111,470
PRIOR FILING DATE: 1998-07-08
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patent in version 3.1
SEQ ID NO 2
LENGTH: 237
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: mammalian nucleic acid and protein
US-09-862-802A-2

Query Match 39.3%; Score 458; DB 2; Length 237;
Best Local Similarity 44.4%; Pred. No. 9.2e-41;
Matches 83; Conservative 34; Mismatches 66; Indels 4; Gaps 3;

Qy 26 ISIALSACFIVSCVVTYHFTYGETGKRLSELHSHSLTCFSEGTKV--PANGCCPASW 83
Db 52 IFFLLLAISFFIAFVIFFO-KYSQLEKKTTELKELVHTTLECVKKNMPVEBTAWSCCPKNW 110

Qy 84 KSPGSSCYFTSSEKVKWSKSEONCVEMGAHLVVFTEAQNFIQQLNESFSYFLGLSDP 143
Db 111 KSPSSNCYFTISTESASQWQSEKDCARMEAHLLVINTQEQDFIQNLQESAYFVGLSDP 170

Qy 144 QGNNNQWIDKTPYEKNVRFHLPNHSABOACASIVFWK-PTGWNVDVICETRRNSIC 202
Db 171 EGQRHWQVDDTPYNESSTFWHPRESDPNERCVLNFPRKSPKRWGNDVNCILGPQRSVC 230

Qy 203 EMNKIYL 209
Db 231 EMMKIHL 237

RESULT 11
US-09-949-002-406
Sequence 406, Application US/09949002
Patent No. 6900016
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: CL000790
CURRENT APPLICATION NUMBER: US/09/949,002
CURRENT FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: 60/231,401
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 10823
SOFTWARE: Fast-Seq for Windows Version 4.0
SEQ ID NO 406
LENGTH: 237
TYPE: PRT
ORGANISM: Human
US-09-949-002-406

Query Match 39.3%; Score 458; DB 2; Length 237;
Best Local Similarity 44.4%; Pred. No. 9.2e-41;
Matches 83; Conservative 34; Mismatches 66; Indels 4; Gaps 3;

Qy 26 ISIALSACFIVSCVVTYHFTYGETGKRLSELHSHSLTCFSEGTKV--PANGCCPASW 83
Db 52 IFFLLLAISFFIAFVIFFO-KYSQLEKKTTELKELVHTTLECVKKNMPVEBTAWSCCPKNW 110

Qy 84 KSPGSSCYFTSSEKVKWSKSEONCVEMGAHLVVFTEAQNFIQQLNESFSYFLGLSDP 143

Db 111 KSFSSNCYFISTESASQDSEKDCARMEAHLLVINTQEQDFIFQNLQESSAFVGLSDP 170
QY 144 QGNNWQWIDKTPYEKNVRFWHLGEPNHSABOQASIVFWK-PTGKGWNDVICETRRNSIC 202
Db 171 EGRHWQWVDQTPYNESSTFWHPREPSDPNERCVVLNFRKSPKRWGNDVNCILGPQRSVC 230
QY 203 EMNKIYL 209
Db 231 EMMKIHL 237

RESULT 12
US-09-111-470-8
; Sequence 8, Application US/09111470
; Patent No. 6277959
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth E.M.
; APPLICANT: Ford, John
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Membrane Protein Genes;
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/111,470
; FILING DATE: 08-JUL-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/053,080
; FILING DATE: 09-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Chang, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: SF0695
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650)852-9196
; TELEFAX: (650)496-1200
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-111-470-8

Query Match 37.4%; Score 436; DB 2; Length 238;
Best Local Similarity 39.9%; Pred. No. 2.1e-38;
Matches 85; Conservative 45; Mismatches 73; Indels 10; Gaps 8;
QY 3 QEQQPQSTKRCWLSRLWSVAGISIALLSACFIVSCVVTYFTYGE-TGKRSLSELHSYH 61
Db 30 REKPIRLRPGSPSLLTSLM-LLLLLLAITFLVAFII-YFQKYSQLLEEKAAKNIMH 87
QY 62 SSLTFCFSGTKV--PANGCCPASWKSFGSSCYFIS--SEEKWSKSEQNCVEMGAHLVVF 117
Db 88 NELNCTKSVSPMEDKVMSCCPKDWRLFGSHCYLVPTVSSASWKNSEENCSRGAHLVVI 147
QY 118 NTEAEQNFIQQLNESFSYFLGLSDPQGNNNQWIDKTPYEKNVRFWHLGEPNHSABOQA 177

Db 148 QSQEQDFITGILDTHAAVFIGLWD-TGHRQWQWVDQTPYESSITFWHNGEPSSGNEKCA 206
QY 178 SIVF-WKPTGWNVDVICETRRNSICEMNKIYL 209
Db 207 TIIRWK-TGWNNDISCSLKQKSVQCMKKIINL 238

RESULT 13
US-09-862-802A-8
; Sequence 8, Application US/09862802A
; Patent No. 6756478
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Ford, John
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Saeland, Sem
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862,802A
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1348)..(1348)
; OTHER INFORMATION: poly-A addition motif
US-09-862-802A-8

Query Match 37.4%; Score 436; DB 2; Length 238;
Best Local Similarity 39.9%; Pred. No. 2.1e-38;
Matches 85; Conservative 45; Mismatches 73; Indels 10; Gaps 8;
QY 3 QEQQPQSTKRCWLSRLWSVAGISIALLSACFIVSCVVTYFTYGE-TGKRSLSELHSYH 61
Db 30 REKPIRLRPGSPSLLTSLM-LLLLLLAITFLVAFII-YFQKYSQLLEEKAAKNIMH 87
QY 62 SSLTFCFSGTKV--PANGCCPASWKSFGSSCYFIS--SEEKWSKSEQNCVEMGAHLVVF 117
Db 88 NELNCTKSVSPMEDKVMSCCPKDWRLFGSHCYLVPTVSSASWKNSEENCSRGAHLVVI 147
QY 118 NTEAEQNFIQQLNESFSYFLGLSDPQGNNNQWIDKTPYEKNVRFWHLGEPNHSABOQA 177
Db 148 QSQEQDFITGILDTHAAVFIGLWD-TGHRQWQWVDQTPYESSITFWHNGEPSSGNEKCA 206
QY 178 SIVF-WKPTGWNVDVICETRRNSICEMNKIYL 209
Db 207 TIIRWK-TGWNNDISCSLKQKSVQCMKKIINL 238

RESULT 14
US-09-907-794A-377
; Sequence 377, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone

	Qy	61	HSLTCFSEGTGVPAWGCCPASPANKSFGSSCYFISSEEKVKWSKSEBNCVEMGAHLVVFNTE	121
	Db	63	FTELSCYNTYGSG-SVKNKCPLNWEYFQSSCYFFSTTISWALSCLKSCSAMGAHLVVINSQ	121
	Qy	121	AEONETVQLNESFSYFLGLSDPQQGNWNWOWIDKTPYEKNVRFMHLPNNHSA--EQCAS	178
	Db	122	EEQEFLSYKKPKMREFFIGLSQVVEGQWVGDTPLTKSLSFWDVGEPNNIATLEDCAT	181
	Qy	179	IVFWKPTGMWINDVICETRNSICEM	204
	Db	182	MRDSSNPQRNQWNDVTCTFLNYFRICEM	207
	RESULT 15			
	US-09-905-125A-377			
	; Sequence 377, Application US/09905125A			
	; Patent No. 6664376			
	; GENERAL INFORMATION:			
	; APPLICANT: Genentech, Inc.			
	; APPLICANT: Ashkenazi, Avi			
	; APPLICANT: Botstein, David			
	; APPLICANT: Desnoyers, Luc			
	; APPLICANT: Eaton, Dan L.			
	; APPLICANT: Ferrara, Napoleone			
	; APPLICANT: Filvaroff, Ellen			
	; APPLICANT: Fong, Sherman			
	; APPLICANT: Gao, Wei-Qiang			
	; APPLICANT: Gerber, Hanspeter			
	; APPLICANT: Gerritsen, Mary E.			
	; APPLICANT: Goddard, A.			
	; APPLICANT: Godowski, Paul J.			
	; APPLICANT: Grimaldi, Christopher J.			
	; APPLICANT: Gurney, Austin L.			
	; APPLICANT: Hillan, Kenneth, J.			
	; APPLICANT: Kljavin, Ivar J.			
	; APPLICANT: Mather, Jennie P.			
	; APPLICANT: Pan, James			
	; APPLICANT: Paoni, Nicholas F.			
	; APPLICANT: Roy, Margaret Ann			
	; APPLICANT: Stewart, Timothy A.			
	; APPLICANT: Tumas, Daniel			
	; APPLICANT: Williams, P. Mickey			
	; APPLICANT: Wood, William, I.			
	; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
	; FILE REFERENCE: 10466-14			
	; CURRENT APPLICATION NUMBER: US/09/905,125A			
	; CURRENT FILING DATE: 2001-07-12			
	; PRIOR APPLICATION NUMBER: PCT/US00/04414			
	; PRIOR FILING DATE: 2000-02-22			
	; PRIOR APPLICATION NUMBER: US 60/143,048			
	; PRIOR FILING DATE: 1999-07-07			
	; PRIOR APPLICATION NUMBER: US 60/145,698			
	; PRIOR FILING DATE: 1999-07-26			
	; PRIOR APPLICATION NUMBER: US 60/146,222			
	; PRIOR FILING DATE: 1999-07-28			
	; PRIOR APPLICATION NUMBER: PCT/US99/20594			
	; PRIOR FILING DATE: 1999-09-08			
	; PRIOR APPLICATION NUMBER: PCT/US99/20944			
	; PRIOR FILING DATE: 1999-09-13			
	; PRIOR APPLICATION NUMBER: PCT/US99/21090			
	; PRIOR FILING DATE: 1999-09-15			
	; PRIOR APPLICATION NUMBER: PCT/US99/21547			
	; PRIOR FILING DATE: 1999-09-15			
	; PRIOR APPLICATION NUMBER: PCT/US99/23089			
	; PRIOR FILING DATE: 1999-10-05			
	; PRIOR APPLICATION NUMBER: PCT/US99/28214			
	; PRIOR FILING DATE: 1999-11-29			
	; PRIOR APPLICATION NUMBER: PCT/US99/28313			
	; PRIOR FILING DATE: 1999-11-30			
	; PRIOR APPLICATION NUMBER: PCT/US99/28564			
	; PRIOR FILING DATE: 1999-12-02			
	; PRIOR APPLICATION NUMBER: PCT/US99/28565			
	; PRIOR FILING DATE: 1999-12-02			
	; PRIOR APPLICATION NUMBER: PCT/US99/30095			
	; PRIOR FILING DATE: 1999-12-16			
	; PRIOR APPLICATION NUMBER: PCT/US99/30911			
	; PRIOR FILING DATE: 1999-12-20			
	; PRIOR APPLICATION NUMBER: PCT/US99/30999			
	; PRIOR FILING DATE: 1999-12-20			
	; PRIOR APPLICATION NUMBER: PCT/US00/00219			
	; PRIOR FILING DATE: 2000-01-05			
	; NUMBER OF SEQ ID NOS: 423			
	; SEQ ID NO 377			
	; LENGTH: 219			
	; TYPE: PRP			
	; ORGANISM: Homo Sapien			
	US-09-907-794A-377			
	Query Match 34.2%; Score 398.5; DB 2; Length 219;			
	Best Local Similarity 40.8%; Pred. No. 1.9e-34;			
	Matches 84; Conservative 34; Mismatches 81; Indels 7; Gaps 5;			
	Qy	3	QEOQPOTSKRWLS--LRLWSVAGISTALLSACFIVSCVTHYHTYGETKRSELHSY	60
	Db	5	KSETQCETE-RGCFSQMELWTAVGITILFSLACPIITRCVTFRI-FQTCDKXKQLPEN	62

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OM protein - protein search, using sw model

Run on: March 28, 2006, 08:31:59 ; Search time 167 Seconds
(without alignments)
522.912 Million cell updates/sec

Title: US-09-766-511B-53
Perfect score: 1165
Sequence: 1 MMQEOPQSTKRGWLSRL.....NDVICTRRNICEMNKIYL 209

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:*
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2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pap:*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pap:*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pap:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pap:*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1165	100.0	209	3	US-09-766-511B-53
2	1165	100.0	209	4	US-10-270-470-10
3	912	78.3	161	3	US-09-766-511B-55
4	885	76.0	162	4	US-10-270-470-2
5	793	68.1	209	3	US-09-766-511B-60
6	793	68.1	209	4	US-10-270-470-4
7	642	55.1	213	4	US-10-212-198-13
8	637	54.7	213	4	US-10-090-466-2
9	637	54.7	213	4	US-10-212-198-16
10	630	54.1	218	4	US-10-220-946-20
11	628	53.9	234	4	US-10-212-198-4
12	617	53.0	211	4	US-10-220-946-22
13	591.5	50.8	208	4	US-10-492-100-18
14	535.5	46.0	182	4	US-10-090-466-4
15	525.5	45.1	193	4	US-10-212-198-6
16	521	44.7	178	3	US-09-766-511B-63
17	459.5	39.4	148	4	US-10-398-779-15
18	459	39.4	134	4	US-10-398-779-2
19	458	39.3	187	4	US-10-212-198-9
20	458	39.3	187	4	US-10-212-198-10
21	458	39.3	237	3	US-09-862-802-2
22	458	39.3	237	3	US-09-870-759-49
23	458	39.3	237	3	US-09-751-708A-49
24	458	39.3	237	4	US-10-264-237-2653
25	458	39.3	237	4	US-10-398-779-3
26	458	39.3	237	4	US-10-829-107-2
27	458	39.3	237	4	US-10-428-817A-45

28	458	39.3	243	3	US-09-764-870-464	Sequence 464, App
29	458	39.3	243	4	US-10-125-540-464	Sequence 464, App
30	458	39.3	246	3	US-09-764-870-303	Sequence 303, App
31	458	39.3	246	4	US-10-125-540-303	Sequence 303, App
32	450	38.6	236	4	US-10-492-100-12	Sequence 12, Appl
33	445.5	38.2	198	4	US-10-363-616-480	Sequence 480, App
34	445	38.2	215	4	US-10-312-352-35	Sequence 35, Appl
35	445	38.2	215	4	US-10-492-100-24	Sequence 24, Appl
36	445	38.2	215	5	US-10-773-236-216	Sequence 216, App
37	445	38.2	215	5	US-10-773-236-314	Sequence 314, App
38	445	38.2	215	5	US-10-773-236-315	Sequence 315, App
39	445	38.2	215	5	US-10-773-236-316	Sequence 316, App
40	443	38.0	215	4	US-10-212-198-8	Sequence 8, Appl
41	437	37.5	165	4	US-10-262-839-76	Sequence 76, Appl
42	436	37.4	238	3	US-09-862-802-8	Sequence 8, Appl
43	436	37.4	238	4	US-10-829-107-8	Sequence 8, Appl
44	434	37.3	208	4	US-10-212-198-11	Sequence 11, Appl
45	425	36.5	230	4	US-10-262-839-80	Sequence 80, Appl

ALIGNMENTS

RESULT 1

US-09-766-511B-53
; Sequence 53, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PRE
; TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-766-511B-53

Query Match 100.0%; Score 1165; DB 3; Length 209;
Best Local Similarity 100.0%; Pred. No. 4.8e-106;
Matches 209; Conservative 0; Mismatch 0; Indels 0; Gaps 0;

Qy 1 MMQEOPQSTKRGWLSRLMSVAGISTALLSACFIVSCVWYHFTYGTGKRLSELHSY 60
Db 1 MMQEOPQSTKRGWLSRLMSVAGISTALLSACFIVSCVWYHFTYGTGKRLSELHSY 60

Qy 61 HSLTCTFSEGTGKVPAMGCCPASMKSFGSSCYFISSEBKVWSKSEQNCVEMGAHLVVFNTE 120
Db 61 HSLTCTFSEGTGKVPAMGCCPASMKSFGSSCYFISSEBKVWSKSEQNCVEMGAHLVVFNTE 120

Qy 121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180
Db 121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180

Qy 181 FWKPTGWNVDVICETRRNSICEMNKIYL 209
Db 181 FWKPTGWNVDVICETRRNSICEMNKIYL 209

RESULT 2
US-10-270-470-10
; Sequence 10, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802QK
; CURRENT APPLICATION NUMBER: US/10/270,470 - disclosed. (10/7/02)
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-470-10

Query Match 100.0%; Score 1165; DB 4; Length 209;
Best Local Similarity 100.0%; Pred. No. 4.8e-106;
Matches 209; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMQEQQPQSTKRGWLSRLWSVAGISIALLSACFIYSCVVTYFTYGETGKRLSELHSY 60
Db 1 MMQEQQPQSTKRGWLSRLWSVAGISIALLSACFIYSCVVTYFTYGETGKRLSELHSY 60

Qy 61 HSLTCTFSEGTGKVPAMGCCPASMKSFGSSCYFISSEBKVWSKSEQNCVEMGAHLVVFNTE 120
Db 61 HSLTCTFSEGTGKVPAMGCCPASMKSFGSSCYFISSEBKVWSKSEQNCVEMGAHLVVFNTE 120

Qy 121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180
Db 121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180

Qy 181 FWKPTGWNVDVICETRRNSICEMNKIYL 209
Db 181 FWKPTGWNVDVICETRRNSICEMNKIYL 209

RESULT 3
US-09-766-511B-55
; Sequence 55, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S

; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-766-511B-55

Query Match 78.3%; Score 912; DB 3; Length 161;
Best Local Similarity 100.0%; Pred. No. 2.5e-81;
Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 49 ETGKRLSELHSYHSSITCFSEGTGKVPAMGCCPASMKSFGSSCYFISSEBKVWSKSEQNCV 108
Db 1 ETGKRLSELHSYHSSITCFSEGTGKVPAMGCCPASMKSFGSSCYFISSEBKVWSKSEQNCV 60
Qy 109 EMGAHLVVFNTAEQNFIIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLG 168
Db 61 EMGAHLVVFNTAEQNFIIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLG 120
Qy 169 PNHSAEQCASIVFWKPTGWNVDVICETRRNSICEMNKIYL 209
Db 121 PNHSAEQCASIVFWKPTGWNVDVICETRRNSICEMNKIYL 161

RESULT 4
US-10-270-470-2
; Sequence 2, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802QK
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 162
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-10-270-470-2
Query Match      76.0%; Score 885; DB 4; Length 162;
Best Local Similarity 100.0%; Pred. No. 1.1e-78;
Matches 162; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMQEQQPQSTKRGWLSRLWSVAGISIALLSACFIVSCVVTYHYFTYGETGKRLSELHSY 60
Db 1 MMQEQQPQSTKRGWLSRLWSVAGISIALLSACFIVSCVVTYHYFTYGETGKRLSELHSY 60

Qy 61 HSSLTCFSEGTQKPAWCCCPASWKSFGSSCYFISSEKVKWSKSEONCVENGALHVPNTE 120
Db 61 HSSLTCFSEGTQKPAWCCCPASWKSFGSSCYFISSEKVKWSKSEONCVENGALHVPNTE 120

Qy 121 AEQNFIVQQLNESFSYFLGLSDPQGNWNNQWIDKTPYEKNVR 162
Db 121 AEQNFIVQQLNESFSYFLGLSDPQGNWNNQWIDKTPYEKNVR 162

RESULT 5
US-09-766-511B-60
; Sequence 60, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREV
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766.511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-766-511B-60
Query Match      68.1%; Score 793; DB 3; Length 209;
Best Local Similarity 68.1%; Pred. No. 1.7e-69;
Matches 145; Conservative 19; Mismatches 41; Indels 8; Gaps 4;

Qy 1 MMQEQQPQSTKRG--WLSRLWSVAGISIALLSACFIVSCVVTYHYFTYGETGKRLSELH 58
Db 1 MVQERQSQG---KGVCW-TLRLWSAAVISMILLSTCFIASCVVTYQFIMDQPSRRLYELH 56

Qy 59 SYHSSLTCFSEGTQKVV--PANGCCPASKWSFGSSCYFISSEKVKWSKSEONCVEMGAHLVV 116
Db 57 TYHSSLTCFSEGTQKVVSEKVMWGCCPNHWKSGSSCYLSTKENFWMSTSEQNCVQMGALHVV 116

RESULT 6
US-10-270-470-4
; Sequence 4, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ann B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX08020K
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-470-4
Query Match      68.1%; Score 793; DB 4; Length 209;
Best Local Similarity 68.1%; Pred. No. 1.7e-69;
Matches 145; Conservative 19; Mismatches 41; Indels 8; Gaps 4;

Qy 1 MMQEQQPQSTKRG--WLSRLWSVAGISIALLSACFIVSCVVTYHYFTYGETGKRLSELH 58
Db 1 MVQERQSQG---KGVCW-TLRLWSAAVISMILLSTCFIASCVVTYQFIMDQPSRRLYELH 56

Qy 59 SYHSSLTCFSEGTQKVV--PANGCCPASKWSFGSSCYFISSEKVKWSKSEONCVEMGAHLVV 116
Db 57 TYHSSLTCFSEGTQKVVSEKVMWGCCPNHWKSGSSCYLSTKENFWMSTSEQNCVQMGALHVV 116

RESULT 7
US-10-212-198-13
; Sequence 13, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Ford, John E.
; APPLICANT: Mize, Nancy K.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Arterburn, Matthew C.
; APPLICANT: Binnerts, Minke
```

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Qy 117 FNTEAQNFIVQQLNESFSYFLGLSDPQGNWNNQWIDKTPYEKNVRFVHGLGEPNHSABQC 176
Db 117 FNTEAQNFIVQQLNESFSYFLGLSDPQGNWNNQWIDKTPYEKNVRFVHGLGEPNHSABQC 176

Qy 177 ASIVFWKPTGWNVDVICETRRNSICEMKKIYL 209
Db 177 VSIYWNPSKMGWNVDFCDSKNSICEMKKIYL 209

RESULT 6
US-10-270-470-4
; Sequence 4, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ann B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX08020K
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-470-4
Query Match      68.1%; Score 793; DB 4; Length 209;
Best Local Similarity 68.1%; Pred. No. 1.7e-69;
Matches 145; Conservative 19; Mismatches 41; Indels 8; Gaps 4;

Qy 1 MMQEQQPQSTKRG--WLSRLWSVAGISIALLSACFIVSCVVTYHYFTYGETGKRLSELH 58
Db 1 MVQERQSQG---KGVCW-TLRLWSAAVISMILLSTCFIASCVVTYQFIMDQPSRRLYELH 56

Qy 59 SYHSSLTCFSEGTQKVV--PANGCCPASKWSFGSSCYFISSEKVKWSKSEONCVEMGAHLVV 116
Db 57 TYHSSLTCFSEGTQKVVSEKVMWGCCPNHWKSGSSCYLSTKENFWMSTSEQNCVQMGALHVV 116

RESULT 7
US-10-212-198-13
; Sequence 13, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Ford, John E.
; APPLICANT: Mize, Nancy K.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Arterburn, Matthew C.
; APPLICANT: Binnerts, Minke
```



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; FILE REFERENCE: 4-31347 PCT
; CURRENT APPLICATION NUMBER: US/10/220,946
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 60/192,934
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/205,026 (US 60/279,243)
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,020
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,769
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/205,767
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo Sapiens
;
US-10-220-946-20

Query Match      54.1%; Score 630; DB 4; Length 218;
Best Local Similarity 54.5%; Pred. No. 1.8e-53;
Matches 114; Conservative 28; Mismatches 63; Indels 4; Gaps 2;

Qy 5 QOQOSTEK-RGWLRLWSVAGISIALLSACFIVSVVYHYFTYGETGKRLSEL---HSY 60
Db 10 QEPQDREKGLWFWQKVMASVILLSVCFVSSVVPFMYSKTVKRLSKLREYQQY 69

Qy 61 HSSLTCTFSEGTQVPWAGCCPASWKSFGSSCYFISSEKVKWSKQNCVEMGAHLVFNTE 120
Db 70 HPSLTCTFSEGTQVPWAGCCPASWKSFGSSCYFISSEKVKWSKQNCVEMGAHLVFNTR 129

Qy 121 AEQNFIVQOLNESFSYFLGLSDPGNNWQIDKTPYEKNVRFHMLGEPNHSAEQASIV 180
Db 130 BEQDFIQLNKRNSYFLGLSDPGGRHRHQQWVDQTPYENVTFWHSGEPNLDRCALIN 189

Qy 181 FWKPTGWNVDVICETRRNSICEMNKIYL 209
Db 190 FRSEEWGNDIHCHVPHKSIKMKKIYI 218

RESULT 11
US-10-212-198-4
; Sequence 4, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Ford, John E.
; APPLICANT: Mize, Nancy K.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Drmanac, Radjje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Arterburn, Matthew C.
; APPLICANT: Binnerts, Minke
; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type Le
; FILE REFERENCE: HVS-5CIP
; CURRENT APPLICATION NUMBER: US/10/212,198
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 09/545,283
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-212-198-4
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Query Match      53.9%; Score 628; DB 4; Length 234;
Best Local Similarity 53.5%; Pred. No. 3.1e-53;
Matches 114; Conservative 28; Mismatches 67; Indels 4; Gaps 2;

Qy 1 MMQEQOQOSTEK-RGWLRLWSVAGISIALLSACFIVSVVYHYFTYGETGKRLSEL-- 57
Db 1 MYPEBEPQDRBKGLWFWQKVMASVILLSVCFVSSVVPFMYSKTVKRLSKLRE 60

Qy 58 -HSYHSSLTCTFSEGTQVPWAGCCPASWKSFGSSCYFISSEKVKWSKQNCVEMGAHLVV 116
Db 61 YQYHSSLTCTFSEGTQVPWAGCCPASWKSFGSSCYFISSEKVKWSKQNCVEMGAHLVV 120

Qy 117 FNTAEQNFIVQOLNESFSYFLGLSDPGNNWQIDKTPYEKNVRFHMLGEPNHSAEQC 176
Db 121 INTTEHDFIHLNKRNSYFLGLSHPRGRHRHQQWVDQTPYENVTFWHSGEPNLDRC 180

Qy 177 ASIVFWKPTGWNVDVICETRRNSICEMNKIYL 209
Db 181 AIINFRSQEWGNDIHCHVPHKSIKMKKIYI 213

RESULT 12
US-10-220-946-22
; Sequence 22, Application US/10220946
; Publication No. US20030124575A1
; GENERAL INFORMATION:
; APPLICANT: No. US20030124575A1artis AG
; APPLICANT: No. US20030124575A1artis Erfindungen Verwaltungsgesellschaft m.b.H.
; APPLICANT: Phares, William
; APPLICANT: Werner, Gudrun
; APPLICANT: Lappitz, Markus
; APPLICANT: Lapp, Hilmar
; APPLICANT: Kalthoff, Frank Stephan
; TITLE OF INVENTION: Organic Compounds
; FILE REFERENCE: 4-31347 PCT
; CURRENT APPLICATION NUMBER: US/10/220,946
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 60/192,934
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/205,026 (US 60/279,243)
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,020
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,769
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/205,767
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo Sapiens
;
US-10-220-946-22

Query Match      53.0%; Score 617; DB 4; Length 211;
Best Local Similarity 52.9%; Pred. No. 3.3e-52;
Matches 111; Conservative 30; Mismatches 63; Indels 6; Gaps 2;

Qy 6 QOQOSTEK---GWLRLWSVAGISIALLSACFIVSVVYHYFTYGETGKRLSEL---HS 59
Db 2 RPASEDRKGLWFWQKVMASVILLSVCFVSSVVPFMYSKTVKRLSKLREYQQ 61

Qy 60 YHSSLTCTFSEGTQVPWAGCCPASWKSFGSSCYFISSEKVKWSKQNCVEMGAHLVFN 119
Db 62 YHPSLTCTFSEGTQVPWAGCCPASWKSFGSSCYFISSEKVKWSKQNCVEMGAHLVFN 121

Qy 120 EAEQNFIVQOLNESFSYFLGLSDPGNNWQIDKTPYEKNVRFHMLGEPNHSAEQASI 179
Db 122 REEQDFIQLNKRNSYFLGLSDPGGRHRHQQWVDQTPYENVTFWHSGEPNLDRCAL 181

Qy 180 VFWKPTGWNVDVICETRRNSICEMNKIYL 209
Db 181 AIINFRSQEWGNDIHCHVPHKSIKMKKIYI 213
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OM protein - protein search, using sw model

Run on: March 28, 2006, 08:36:38 ; Search time 76 Seconds
(without alignments)

81.110 Million cell updates/sec

Title: US-09-766-511B-53

Perfect score: 1165

Sequence: 1 MWQEQPQSTKRWLSRL.....NDVICETRRNSICEMNKIYL 209

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 174695 seqs, 29494374 residues

Total number of hits satisfying chosen parameters: 174695

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New:

- 1: /SIDSS5/ptodata/1/pubpaa/US08_NEW_PUB pep.*
- 2: /SIDSS5/ptodata/1/pubpaa/US06_NEW_PUB pep.*
- 3: /SIDSS5/ptodata/1/pubpaa/US07_NEW_PUB pep.*
- 4: /SIDSS5/ptodata/1/pubpaa/US07_NEW_PUB pep.*
- 5: /SIDSS5/ptodata/1/pubpaa/US09_NEW_PUB pep.*
- 6: /SIDSS5/ptodata/1/pubpaa/US10_NEW_PUB pep.*
- 7: /SIDSS5/ptodata/1/pubpaa/US11_NEW_PUB pep.*
- 8: /SIDSS5/ptodata/1/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	225.5	19.4	124	6	US-10-877-346-67
2	207.5	17.8	328	7	US-11-152-697-4
3	190.5	16.4	293	6	US-10-131-826A-422
4	190.5	16.4	293	6	US-10-973-115B-422
5	189.5	16.3	548	7	US-11-152-697-3
6	167.5	14.4	166	7	US-11-071-259-9
7	167.5	14.4	188	6	US-10-055-877-206
8	166	14.2	189	6	US-10-055-877-209
9	163.5	14.0	492	7	US-11-152-697-2
10	160.5	13.8	189	6	US-10-055-877-207
11	160.5	13.8	195	6	US-10-055-877-208
12	156	13.4	107	6	US-10-877-346-70
13	151.5	13.0	280	6	US-10-131-826A-458
14	151.5	13.0	280	6	US-10-689-742-160
15	151.5	13.0	280	6	US-10-973-115B-458
16	142.5	12.2	175	7	US-11-133-465A-1
17	142	12.2	188	6	US-10-055-877-205
18	141.5	12.1	247	7	US-11-072-512-2790
19	139	11.9	132	7	US-11-106-399-4
20	139	11.9	191	7	US-11-106-399-2
21	139	11.9	241	7	US-11-152-366-279
22	139	11.9	359	7	US-11-152-366-38
23	138	11.8	158	7	US-11-108-172-1070
24	138	11.8	158	7	US-11-108-172-1077
25	138	11.8	158	7	US-11-108-172-1078

Sequence 1079, Ap
Sequence 1080, Ap
Sequence 2, Appli
Sequence 5, Appli
Sequence 7, Appli
Sequence 188, App
Sequence 6, Appli
Sequence 9, Appli
Sequence 10, Appli
Sequence 33, Appli
Sequence 32, Appli
Sequence 31, Appli
Sequence 30, Appli
Sequence 753, App
Sequence 522, App
Sequence 522, App
Sequence 59, Appli
Sequence 857, App
Sequence 61, Appli
Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-10-877-346-67

; Sequence 67, Application US/10877346
; Publication No. US20060014153A1
; GENERAL INFORMATION:
; APPLICANT: Gerlach, Valerie L
; APPLICANT: MacDougall, John R
; APPLICANT: Smithson, Glennda
; APPLICANT: Millet, Isabelle
; APPLICANT: Stone, David
; APPLICANT: Gunther, Erik
; APPLICANT: Ellerman, Karen
; APPLICANT: Grosse, William M
; APPLICANT: Alsobrook II, John P
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgees, Catherine E
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Leach, Martin D
; APPLICANT: Shimkets, Richard A
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-124
; CURRENT APPLICATION NUMBER: US/10/877,346
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US/09/964,956
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/235,631
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,633
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,808
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,064
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,065
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,066
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,135
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/237,434
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/238,321
; PRIOR FILING DATE: 2000-10-05
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 67
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: CLECT
; OTHER INFORMATION: Consensus Sequence
US-10-877-346-67

Query Match          19.4%; Score 225.5; DB 6; Length 124;
Best Local Similarity 37.2%; Pred. No. 4.1e-15;
Matches 48; Conservative 22; Mismatches 50; Indels 9; Gaps 5;

QY 79 CPASWKSF-GSSCVFTSSSEKVKSEQNCVEMGAHLVVFNTAEQNFIVQQLNESFS-- 135
Db 1 CPSCGWSYPGKCYKFSTKKTWADAQFCQSLGAHLASHSEENDFLLSLLKNSNDY 60
QY 136 YFGLSDPQGNNNQWIDKT-PYEKNVRFWHLGEPNHSAEQCAIVFWKPTGWMNDVIC 194
Db 61 YWIGLRPDGNGQWSDGSGPDVYS--NWAPGPGSGN--CVVLSTSGGKGNVDVSC 115
QY 195 ETRRNSICE 203
Db 116 TSKLPFICE 124

RESULT 2
US-11-152-697-4
; Sequence 4, Application US/11152697
; Publication No. US2006003367A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
; FILE REFERENCE: D0242 NP
; CURRENT APPLICATION NUMBER: US/11/152,697
; PRIOR FILING DATE: 2005-06-14
; PRIOR FILING DATE: 2004-06-15
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-152-697-4

Query Match          17.8%; Score 207.5; DB 7; Length 328;
Best Local Similarity 34.4%; Pred. No. 7.2e-13;
Matches 43; Conservative 21; Mismatches 54; Indels 7; Gaps 4;

QY 83 WKSFGSSCYFTSSSEKVKSEQNCVEMGAHLVVFNTAEQNFIVQQLNESFSYFGLSD 142
Db 199 WKYPKGNFYFSLIPKTYSAEQFCVSRNSHLTSVTSSEQEFLYKTAG-GLIYWIGLTK 257
QY 143 PQGNNNQWIDKTPYEK--NVRFWHLGEPNHS--EOCASIVFWKPTGWMNDVICETRR 198
Db 258 AGMEGDSWVDTPFPNKVQSAFIPGEPNAGNNEHCNIK--APSLQAWNDAPCDKTF 315
QY 199 NSICE 203
Db 316 LFICK 320

RESULT 3
US-10-131-826A-422
; Sequence 422, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Deenoyers, Luc
; APPLICANT: Filvaroff, Ellen

; SEQ ID NO 67
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: CLECT
; OTHER INFORMATION: Consensus Sequence
US-10-877-346-67

Query Match          16.4%; Score 190.5; DB 6; Length 293;
Best Local Similarity 33.6%; Pred. No. 2.9e-11;
Matches 45; Conservative 21; Mismatches 49; Indels 19; Gaps 8;

QY 79 CPASWKSFGSSCYFTSSSEKVKSEQNCVEMGAHLVVFNTAEQNFIVQQLNESFSYFL 138
Db 165 CPTSWLSFPGSCYFFSVPTTMAAQDHCAASAHLVIVGGDEQGFTRN-TRGRGYWL 223
QY 139 G-----LSDPQGNNNQWIDKTPYEKNVRFWHLGEPNHS--AEQCASTVFWKPTCGWNN 190
Db 224 GURAVRHKGKVGQ---YQWVDGV--SLSPFSHNVQGEFNDAGRENCVMMLH---TGL-WN 274
QY 191 DVICETRRNS-ICE 203
Db 275 DAPCDSEKDGWICE 288

RESULT 4
US-10-973-115B-422
; Sequence 422, Application US/10973115B
; Publication No. US20060040351A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Deenoyers, Luc
; APPLICANT: Filvaroff, Ellen
```


APPLICANT: Gerlach, Valerie
APPLICANT: Spytek, Kimberly
APPLICANT: Ratelli, Luca
APPLICANT: Kekuda, Ramesh
APPLICANT: Guo, Xiaojia
APPLICANT: Zerhusen, Bryan
APPLICANT: Andrew, David
APPLICANT: Mezes, Peter
APPLICANT: Patturajan, Meera
APPLICANT: Burgess, Catherine
APPLICANT: Eisen, Andrew
APPLICANT: Wolenc, Adam
APPLICANT: Baumgartner, Jason
APPLICANT: Shimkets, Richard
APPLICANT: Gusev, Vladimir
APPLICANT: Vernet, Corine
APPLICANT: Taupier Jr., Raymond
APPLICANT: Pena, Carol
APPLICANT: Shenoy, Suresh
APPLICANT: Li, Li
APPLICANT: Casman, Stacie
APPLICANT: Boldog, Ferenc
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/263,598
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/263,799
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,139
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/263,351
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/272,870
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/275,990
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/275,927
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 206
LENGTH: 188
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-055-877-206

Query Match 14.4%; Score 167.5; DB 6; Length 188;
Best Local Similarity 28.7%; Pred. No. 3.2e-09;
Matches 43; Conservative 21; Mismatches 71; Indels 15; Gaps 4;
QY 54 LSELHSHSSITCFSEGTGKVPAMGCCPASPMSKSGSCYFTSSREKWSKSEQNCVEMGAH 113
DB 50 LMSLLVQRTLCCKSGKFMSCQRCRPNLWNRNGSHCYFMSMEKRDWNSSLKFCADKGS 109
QY 114 LVFNTAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYKKNRVFWHLGEPNHS 173
DB 110 LLATPDNQGNVLFQYVGEDF-YWIGLRDIDG---WRWEDGPALSLSIL-----SNSVV 159
QY 174 EQACIVFWKPTGNGWNDVICETRRNICE 203
DB 160 QKCGT-----HRCGLHASCEVALQWICE 184

RESULT 8

US-10-055-877-209
Sequence 209, Application US/10055877
Publication No. US20050288241A1
GENERAL INFORMATION:
APPLICANT: DeCristofaro, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Miller, Charles
APPLICANT: Tchernev, Velizar
APPLICANT: Zhong, Mei
APPLICANT: Anderson, David
APPLICANT: Ballinger, Robert
APPLICANT: Gerlach, Valerie
APPLICANT: Spytek, Kimberly
APPLICANT: Ratelli, Luca
APPLICANT: Kekuda, Ramesh
APPLICANT: Guo, Xiaojia
APPLICANT: Zerhusen, Bryan
APPLICANT: Andrew, David
APPLICANT: Mezes, Peter
APPLICANT: Patturajan, Meera
APPLICANT: Burgess, Catherine
APPLICANT: Eisen, Andrew
APPLICANT: Wolenc, Adam
APPLICANT: Baumgartner, Jason
APPLICANT: Shimkets, Richard
APPLICANT: Gusev, Vladimir
APPLICANT: Vernet, Corine
APPLICANT: Taupier Jr., Raymond
APPLICANT: Pena, Carol
APPLICANT: Shenoy, Suresh
APPLICANT: Li, Li
APPLICANT: Casman, Stacie
APPLICANT: Boldog, Ferenc
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/263,598
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/263,799
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,139
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/263,351
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/272,870
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/275,990
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/275,927
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 209
LENGTH: 189
TYPE: PRT
ORGANISM: Homo sapiens
US-10-055-877-209

Query Match 14.2%; Score 166; DB 6; Length 189;
Best Local Similarity 25.1%; Pred. No. 4.5e-09;
Matches 50; Conservative 37; Mismatches 74; Indels 38; Gaps 9;
QY 5 QQPQSTKRGWLSRLMSVAGISIALLSACFVSCVWYHYFTYGTGKLSLHSHSS 64
DB 25 QKSSSKPSCSCL-----VAITGLLTA--VLLSVLLYQWI-----LCQGSNYSTCA 70


```

; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Canterline
; APPLICANT: Eisen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 208
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-877-208

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Query Match      13.8%; Score 160.5; DB 6; Length 195;
Best Local Similarity 24.9%; Pred. No. 1.6e-08;
Matches 45; Conservative 37; Mismatches 66; Indels 33; Gaps 8;

23 VAGISIALLSACFIVSCVYTHFTYGETGKRLSELHSHYSSITCFSEGTQKVPAMGCCPAS 82
   ||| ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
38 LVAAIALGLTA-----VLLSVLLYQWI-----LCQSGNSTCASCPS-----CPDR 78

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Qy	83	WKSPGSSCYFTLSSEBKVWKSQCNQEMVGAHLVFNTEAEQNFVVOQLNSESFSPLGLUSD	142
Db	79	WMKYGNHCYFYSVEBKDNWSLEFLCLARDSHLLVITDNQEMSLSLQVFLSEAFWC-IGL--	135
Qy	143	PQGNNNQWIDKTTYEKNVRFWHLGPNHSAEQCASIVFWKPTGWMNDVTCETRRNSIC	202
Db	136	-RNNSGWRWEDGSP-----LNFSRTSS-NSFVQTGCAI-----NKNGLQASCEVPLHWVC	184

Qy 203 E 203 ;
Db 185 K 185

RESULT 12
US-10-877-346-70
; Sequence 70, Application US/10877346
; Publication No. US20060014153A1
; GENERAL INFORMATION:
; APPLICANT: Gerlach, Valerie L
; APPLICANT: MacDougall, John R
; APPLICANT: Smithson, Glennda
; APPLICANT: Millet, Isabelle
; APPLICANT: Stone, David
; APPLICANT: Gunther, Erik
; APPLICANT: Ellerman, Karen
; APPLICANT: Grosse, William M
; APPLICANT: Alsbrook II, John P
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Leach, Martin D
; APPLICANT: Shinkets, Richard A
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-124
; CURRENT APPLICATION NUMBER: US/10/877,346
; CURRENT FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US/09/964,956
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/235,631
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,633
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,808
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,064
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,065
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,066
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,135
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/237,434
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/238,321
; PRIOR FILING DATE: 2000-10-05
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 70
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Lectin C-type
; OTHER INFORMATION: domain Consensus Sequence
US-10-877-346-70

Query Match	13.4%	Score 156;	DB 6;	Length 107;
Best Local Similarity	32.4%;	Pred. No. 2.3e-08;		
Matches	36;	Conservative	18;	Mismatches 49;
			Indels	8;
			Gaps	4;
Qy	96	EEKVWSKSEQNCVEMGAHLVVFVTEAEQNFIVQOLNESFSY-FLGLSDPQGNWNNQWIDK	154	
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Db	1	ESKTWAEAAQACOKLGGGLVSIQSAEQDFELTSLTKASNSYAWIGLTDINTEGTVMWTDG	60	
Qy	155	TPYEKNVRFVHLGEPNH--SABQCAASIVFWKPTGCHGWNVICETRRNSICE	203	
		: : : : : :		
Db	61	SPV--NTYTNWAPGEPNNRGNKEDCVETLY---TDGNKWNDBPCGSKLPYVCE	106	


```
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING
; FILE REFERENCE: 39870-3330R1C300C1
; CURRENT APPLICATION NUMBER: US/10/973,115B
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 10/145,747
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/028,072
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 09/581,742
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: PCT/US00/05746
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/135,736
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: US 60/123,090
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 458
; LENGTH: 280
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-973-115B-458
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Query Match      13.0%; Score 151.5; DB 6; Length 280;
Best Local Similarity 21.0%; Pred. No. 1.9e-07;
Matches 50; Conservative 34; Mismatches 101; Indels 53; Gaps 9;

Qy      6 QPQSTKRGWLSRLMSVAGISIALSACFI---VSCVVTYHFTY----- 47
Db      34 EPRRTEHRAPSS--TW--RPVALTLTLCLVLLGLAALGLLFFQYVQLSNTGQDTISQM 89
Qy      48 ----GETGKRLSELHSHYHSILT-----CFSEGTKVPANGC--CPASWKSFGSSCY 91
Db      90 EERLGNTSQELSQLQVQNIKLAGSLQHVAEKLCRELKYNKAGAHRCSPCTEQWKWHDGNCY 149
Qy      92 FISSEKVKWSKQNCVEMGAHLVFNTEAQNFIQVQQLNESF--SYFLGLSDPQGNW 149
Db      150 QFYKDSKSWEDCKYFCLSENSTMLKINKQEDLEFAASQSYSEPFYSYWTGTLRLPDGSKAW 209
Qy      150 QWIDKTPYEKNVRFWHLGEPNHAEOQASIVFWKPTGWNVDVI---CETRNSICE 203
Db      210 LWMGTPTTSELPHIIDIIVTSRSDCVAIL-----NGMIFSKDCKELKRCVCE 258
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Search completed: March 28, 2006, 08:40:39
Job time : 77 secs

10	398.5	34.2	997	3	US-09-907-794A-376	Sequence 376, App
11	398.5	34.2	997	3	US-09-905-125A-376	Sequence 376, App
12	398.5	34.2	997	3	US-09-902-775A-376	Sequence 376, App
13	398.5	34.2	997	3	US-09-906-700-376	Sequence 376, App
14	398.5	34.2	997	3	US-09-903-603A-376	Sequence 376, App
15	398.5	34.2	997	3	US-09-904-920A-376	Sequence 376, App
16	398.5	34.2	997	3	US-09-909-064-376	Sequence 376, App
17	398.5	34.2	997	3	US-09-903-381A-376	Sequence 376, App
18	398.5	34.2	997	3	US-09-906-618-376	Sequence 376, App
19	398.5	34.2	997	3	US-09-908-646-376	Sequence 376, App
20	398.5	34.2	997	3	US-09-904-462-376	Sequence 376, App
21	398.5	34.2	997	3	US-09-907-736A-376	Sequence 376, App
22	398.5	34.2	997	3	US-09-908-722A-376	Sequence 376, App
23	356.5	30.6	2059	3	US-09-488-847-119	Sequence 119, App
24	348	29.9	334	3	US-09-016-434-698	Sequence 698, App
25	252.5	21.7	1348	3	US-09-949-036-4090	Sequence 4090, App
26	251.5	21.6	1458	3	US-09-111-470-3	Sequence 3, Appl1
27	251.5	21.6	1458	3	US-09-867-802A-3	Sequence 3, Appl1
28	250	21.5	1370	3	US-09-111-470-9	Sequence 9, Appl1
29	250	21.5	1370	3	US-09-862-802A-9	Sequence 9, Appl1
30	247	21.2	2318	3	US-09-620-312D-733	Sequence 733, App
31	235	20.2	1212	3	US-09-591-435-9	Sequence 9, Appl1
32	235	20.2	1212	3	US-10-098-600B-9	Sequence 9, Appl1
33	235	20.2	1212	3	US-09-517-605-1	Sequence 1, Appl1
34	234	20.1	1212	3	US-09-591-435-11	Sequence 11, Appl1
35	234	20.1	1212	3	US-10-098-600B-11	Sequence 11, Appl1
36	232	19.9	1212	3	US-09-591-435-10	Sequence 10, Appl1
37	232	19.9	1212	3	US-10-098-600B-10	Sequence 10, Appl1
38	229.5	19.7	10409	3	US-08-772-440-33	Sequence 33, Appl1
39	223	19.1	152	3	US-08-772-440-40	Sequence 40, Appl1
40	207.5	17.8	1547	3	US-09-787-192-1	Sequence 1, Appl1
41	200.5	17.2	1224	3	US-09-949-036-4091	Sequence 4091, App
42	200.5	17.2	1277	3	US-09-016-434-1186	Sequence 1186, App
43	194.5	16.7	1756	3	US-09-787-192-10	Sequence 10, Appl1
44	192.5	16.5	4771	3	US-08-840-062-3	Sequence 3, Appl1
45	192	16.5	900	3	US-09-799-451-854	Sequence 854, App

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; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1227 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-772-440-3

Alignment Scores:
Pred. No.: 3,25e-81 Length: 1227
Score: 793.00 Matches: 145
Percent Similarity: 77.0% Conservative: 19
Best Local Similarity: 68.1% Mismatches: 41
Query Match: 68.1% Indels: 8
DB: 3 Gaps: 4

US-09-766-511B-53 (1-209) x US-08-772-440-3 (1-1227)

QY 1 MetMetGlnGlnGlnProGlnSerThrGluLysArgGly-----TrpLeuSerLeu 18
Db 146 ATGGTCAGAAAGACAAATCCCAAGGG-----AAGGGAGTCTGCTGG---ACCCTG 193
QY 19 ArgLeuTrpSerValaAGlylleSerlleAlaLeuLeuSerAlaCysPheIleValSer 38
Db 194 AGACTCTGGTCAGCTGCTGGAATTCATGTTACTCTTGAGTACCTGTTTCATTCGCGAC 253
QY 39 CysValValThrTrpHisPheThrTrpGlyGluThrGlyLysArgLeuSerGluLeuHis 58
Db 254 TGTGTGGTGACTTACCAATTTATTATGGACCACGCCAGTAGAAGACTATATGAATTCAC 313
QY 59 SerTrpHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp 76
Db 314 ACATACCAATTCACAGTCTCCTCAGTGAAGGAGACTATGTTGCAGAAAAAATGTGG 373
QY 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTrpPheIleSerSerGlu 96
Db 374 GGATGCTGCCCAATCAGTGAAGTCAATTTGGCTCCAGCTGCTACCTCAATTTCTACCAAG 433
QY 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
Db 434 GAGAACTTCGGAGACCACTGAGCAGCAAGTGTTCAGATGGGGCTCATCTGGTGGTG 493
QY 117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTrp 136
Db 494 ATCAATACTGAAGCGGAGCAGAAATTTTCATCACCAGCAGCTGAATGAGTCACTTTCTTAC 553
QY 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 554 TTCCTGGGTCTTTCCGATCCACAAAGTAAATGGCAATGGCAATGGATCGATGATATCCT 613
QY 157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
Db 614 TTCAGTCAAAATGTCAGTTCTGGCACCCCAATGACCCCAATCTTCCAGAAAGCGGTGT 673
QY 177 AlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
Db 674 GTTTCATAGTTTACTGGAATCCTTCGAAATGGGGCTGGAATGATGTTTCTGTGTAGT 733
QY 197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
Db 734 AAACACAAATCAATATGTGAATGAAGAAGATTTACCTA 772

RESULT 2
US-08-772-440-20
; Sequence 20, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Arizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
```

```
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 501 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-772-440-20

Alignment Scores:
Pred. No.: 1.04e-68 Length: 501
Score: 679.00 Matches: 118
Percent Similarity: 79.0% Conservative: 14
Best Local Similarity: 70.7% Mismatches: 33
Query Match: 58.3% Indels: 2
DB: 3 Gaps: 1

US-09-766-511B-53 (1-209) x US-08-772-440-20 (1-501)

QY 45 PheThrTrpGlyLysArgLeuSerGluLeuHisSerTrpHisSerSerLeu 64
Db 1 TTTATTATGACAGCCAGTAGAGACTATATGAATTCACACATACCATTCACATCTC 60
QY 65 ThrCysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCysProAlaSer 82
Db 61 ACCTGCTTCAGTGAAGGAGACTATGTTGCAGAAAAAATGTGGGATGTGCCCAAAATCAC 120
QY 83 TrpLysSerPheGlySerSerCysTrpPheIleSerSerGluGluLysValTrpSerLys 102
Db 121 TGGAGTCAATTTGGCTCCAGCTGCTACCTCAATTTTACCAGAGAGAACTTCTGGACACC 180
QY 103 SerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGlu 122
Db 181 AGTGACAGAACTGTGTTTCAGATGGGGCTCATCTGTGTGTGATCAATACTGAAGCGGAG 240
QY 123 GlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTrpPheLeuGlyLeuSerAsp 142
Db 241 CAGAAATTCATCACCAGCAGCTGAATGAGTCACTTCTTACTTCTCTGGGTCTTTCCGGAT 300
QY 143 ProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTrpGluLysAsnValArg 162
Db 301 CCACAAGGTAATGGCAAAATGGCAATGGATCGATGATGATCTCTTTCAGTCAAAATGTCAGG 360
QY 163 PheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleValPheTrp 182
Db 361 TTCTGGCAGCCCCCATGAACCAATCTTCCAGAGAGCGGTGTGTTTCAATAGTTTACTGG 420
QY 183 LysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSerIleCys 202
Db 421 AATCCTTCGAAATGGGGCTGGAATGATGTTTCTGTGTAGTAGTAACACAAATTCATATGT 480
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Qy 203 GluMetAsnLysIleTyrLeu 209
| | | | |
Db 481 GAAATGAAGAAGATTACCTA 501

RESULT 3
US-08-772-440-22
; Sequence 22, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
; APPLICANT: Ariizumi, Kiyoshi
; APPLICANT: Takashima, Akira
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/772,440
; FILING DATE: CONCURRENTLY HEREWITH
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTXD:493
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 393 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-772-440-22

Alignment Scores:
Pred. No.: 9.08e-56 Length: 393
Score: 565.00 Matches: 96
Percent Similarity: 81.7% Conservative: 11
Best Local Similarity: 73.3% Mismatches: 24
Query Match: 48.5% Indels: 0
DB: 3 Gaps: 0

US-09-766-511b-53 (1-209) x US-08-772-440-22 (1-393)
Qy 79 CysProAlaSerTrpLysSerPheGlySerCysTyrPheIleSerGluGluLys 98
| | | | |
Db 1 TGCCCAATCCTGGAGTCAATTGGCTCAGCTGCTACCTCAATTCACCAAGGAGAAC 60

Qy 99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
| | | | |
Db 61 TTCTGGAGCACCACTGAGCAGACTGTTTCAGATGGGGCTCATCTGGTGGTGATCAAT 120

Qy 119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu 138
| | | | |
Db 121 ACTGAAGCGGAGCAGAGATTTTCATCACCCAGCAGTGAATGAGTCACCTTTCTTACTTCTG 180

Qy 139 GlyLeuSerAspProGlnGlyAsnAsnTrpGlnTrpIleAspLysThrProTyrGlu 158
| | | | |
Db 181 GGCTCTTCGGATCCACAAGGTAATGGCAATGGCAATGGATCGATGATCTCTTTCAGT 240

Qy 159 LysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSer 178
| | | | |
Db 241 CAAAATGTCAGGTTCTGGCACCCTCCCATGAACCAATCTTCCAGAGAGCGGTGTGTTTCA 300

Qy 179 IleValPheTrpLysProThrGlyTrpGlyTyrAsnAspValIleCysGluThrArgArg 198
| | | | |
Db 301 ATAGTTTACTGGAATCCTTCGAAATGGGGCTGGAATGATGTTTCTGTGATATAACAC 360

Qy 199 AsnSerIleCysGluMetAsnLysIleTyrLeu 209
| | | | |
Db 361 AATTCATATGTGAATGAAGAGATTACCTA 393

RESULT 4
US-09-111-470-1
; Sequence 1, Application US/09111470
; Patent No. 6277959
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth E.M.
; APPLICANT: Ford, John
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Membrane Protein Genes;
; TITLE OF INVENTION: Related Reagents
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,470
; FILING DATE: 08-JUL-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/053,080
; FILING DATE: 09-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: SP0695
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650)852-9196
; TELEFAX: (650)496-1200
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1104 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 242..952
US-09-111-470-1

Alignment Scores:
Pred. No.: 8.93e-43 Length: 1104
Score: 458.00 Matches: 83
Percent Similarity: 62.6% Conservative: 34
Best Local Similarity: 44.4% Mismatches: 66
Query Match: 39.3% Indels: 4
DB: 3 Gaps: 3

US-09-766-511b-53 (1-209) x US-09-111-470-1 (1-1104)
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Qy	26	IleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThrTyrHisPhe	45
Db	395	ATAATTTTCCTGCTAATTGGCAATCTCATTTATTGTGTTGTTCTTCTTCAA---	451
Qy	46	ThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThr	65
Db	452	AAATATTCTCGAGTCTTGAAAAAAGAAGACTACAAAAGAGCTGGTTTCATACAACATTGGAG	511
Qy	66	CysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCysProAlaSerTrp	83
Db	512	TGTGTGA AAAA AATATGCCCGTGGAGAGACAGCC TGGAGCTGTTGCCCAAAGAAATTGG	571
Qy	84	LysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrpSerLysSer	103
Db	572	AAGTCATTTAGTTCCAATGCCTACTTAATTTCTACTGAATCAGCATCTTGGCAAGACAGT	631
Qy	104	GluGlnAsnCyseValGluMetClyAlaHisLeuValValPheAsnThrGluAlaGluGln	123
Db	632	GAGAAGGAGCTGTGTAGAAATGGAGGCTCACCTGCTGTGTATTAACACTCAAGAGAGCAG	691
Qy	124	AsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspPro	143
Db	692	GATTTCACTTCCAGAAATCTGCAAGAGAATCTGCTTAATTTGTGGGGCTCTCAGATCCA	751
Qy	144	GlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGlnLysAsnValArgPhe	163
Db	752	GAAGGTCAGCGCAATGGCAATGGGTTGATCAGACACCACATACAATGAAATGTTCCACATTC	811
Qy	164	TrpHisLeuGlyGluProAsnHisserAlaGluGlnCyseAlaSerIleValPheTrpLys	183
Db	812	TGGCATCCACGTGAGCCAGTGATCCCAATGAGCGCTGCGTGTGTGTAATTTTCGTAA	871
Qy	184	---ProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSerIleCys	202
Db	872	TCACCCAAAAGATGGGCTGGHAATGATGTTAATTTGCTTGGTCCCTCAAAGGTCAGTTGT	931
Qy	203	GluMetAsnLysIleTyrLeu	209
Db	932	GAGATGATGAAGATCCACTTA	952

RESULT 5

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US-09-862-802A-1
; Sequence 1, Application US/09862802A
; Patent No. 6756478
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Ford, John
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Saeland, Sem
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes: Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862,802A
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1104
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; NAME/KEY: CDS
; LOCATION: (242)..(952)
; OTHER INFORMATION:
; US-09-862-802A-1

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Alignment Scores:		
Pred. No.:	8,93e-43	1104
Score:	458.00	83
Percent Similarity:	62.6%	Matches: 34
Best Local Similarity:	44.4%	Mismatches: 66
Query Match:	39.3%	Indels: 4
DB:	3	Gaps: 3

US-09-766-511B-53 (1-209) x US-09-862-802A-1 (1-1104)

Qy	26	IlSeRfLeAlAlLeuLeuSerAlaCySPhelleValSerCySvalvalThrTyrHisPhe	45
Db	395	ATATTTTCCTGCTATTGGCAATCTCATTTATTGCTTTTTCATTTCTTCAA---	451
Qy	46	ThrTyrGlyCluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThr	65
Db	452	AAATATTTCTCAGGCTCTTGAAAAGAAAGACTACAAAGAGCTGGTTTCATACACATTTGGAG	511
Qy	66	CysPheSerGluGlyThrLysVal-----ProAlaTrrpGlyCysCySproAlaSerTrp	83
Db	512	TGTGTGAAAATAATATGCCCGTGGAAAGACAGAGCTGGAGCTGTTGCCCAAAGAAATTGG	571
Qy	84	LysSerPheGlySerSerCysTyrPheLleSerSerGluGluLysValTrpSerLysSer	103
Db	572	AAGTCATTTAGTTCCAAACGTACTATTATTTCTACTGAATCAGCATCTTGGCAAGACAGT	631
Qy	104	GluGluAsnCySvalGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGluGln	123
Db	632	GAGAAGAGCTGCTAGAAATGGAGGCTCACTGCTGCTGATAAACAATCAAGNAGAGCAG	691
Qy	124	AsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspPro	143
Db	692	GATTTCACTTCAGAAATCTGCAAGAGAATCTGCTTATTTTGTGGGGCTCTCAGATCCA	751
Qy	144	GlnGlyAsnAsnAsnTrpGlnTrpLleAspLysThrProTyrGluLysAsnValArgPhe	163
Db	752	GAAGGTGAGCGACATGGCAATGGGTGGATTCAGACACCACATACAAATGAAAGTTCACCATTC	811
Qy	164	TrpHisLeuGlyGluProAsnHisSerAlaGluGlnCyAlaSerIleValPheTrpLys	183
Db	812	TGGCATCCAGTCAGCGCCAGTGATCCCAATGAGCGCTGCGTGTGCTAAATTTTCGTAA	871
Qy	184	---ProThrGlyTrpGlyTrpAsnAspValIleCySgluThrArgArgAsnSerIleCyS	202
Db	872	TCACCCAAAGATGGGGCTGAATGATGTTAATTGCTTGGTCTCTCAAAGGTGAGTTGT	931
Qy	203	GluMetAsnLysIleTyrLeu	209
Db	932	GAGATGATGAAGATCCACATTA	952

RESULT 6

```

RESOLUTION 9
US-09-949-002-120
; Sequence 120, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; AND USES THEREOF
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120
; LENGTH: 1271
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-120

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Db 780 ATAGGTTGTGGAT---ACAGGCCATCGCAATGCAATGGTTGATCAGACACCATAT 836
Qy 158 GluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAla 177
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 837 GAAGAAAGTATCATCTTGGCAATATGGTGAGCCAGCAGTGGCAATGAAAAATGTCT 896
Qy 178 SerIleValPhe---TrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 897 ACNATATTTACCGTTGGAG---ACTGGATGGGCTGGACCATATCTCTTGCAGTCTT 953
Qy 197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 954 AAACAGAGTCACTTTGTGCAGATGAAGAAATAAACTTA 992

RESULT 8
US-09-862-802A-7
; Sequence 7, Application US/09862802A
; Patent No. 6756478
; GENERAL INFORMATION:
; APPLICANT: Valladeau, Jenny
; APPLICANT: Ravel, Odile
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Ford, John
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
; FILE REFERENCE: SF0695 B
; CURRENT APPLICATION NUMBER: US/09/862,802A
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/053,080
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/111,470
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 1418
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: mammalian nucleic acid and protein
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (279)..(992)
; OTHER INFORMATION: protein coding sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1348)..(1348)
; OTHER INFORMATION: poly-A addition motif
US-09-862-802A-7

Alignment Scores:
Pred. No.: 4,45e-40 Length: 1418
Score: 436.00 Matches: 85
Percent Similarity: 61.0% Conservative: 45
Best Local Similarity: 39.9% Mismatches: 73
Query Match: 37.4% Indels: 10
DB: 3 Gaps: 8

US-09-766-511B-53 (1-209) x US-09-862-802A-7 (1-1418)

Qy 3 GlnGluGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeuTrpSer 22
Db 366 AGAGAGAAACCTATCCGTGATCTAAGAAAGCCTGGTTCCCCCTCACTGCTTCTATCATCC 425
Qy 23 ValAlaGlyIleSerIleAlaLeuSerAlaCysPheIleValSerCysValValThr 42
Db 426 CTGATG---CTACTTCTCCTGCTGCTGGCAATCACAATCTTAGTGTCTTTATCATT--- 479
Qy 43 TyrHisPheThrTyrGlyGlu---ThrGlyLysArgLeuSerGluLeuHisSerTyrHis 61
Db 480 TATTTTCAAAGTACTCTCAACTCTTTGAAGAAAAAAGAGCTGCAAAAAATATAATGCAC 539
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Qy 62 SerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCys 79
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 540 AATGAATTGAACCTGCACAAAAGTCTTTCCACCCATGGAAGACAAAGTCTGGAGCTGTTC 599
Qy 80 ProAlaSerTrpLysSerPheGlySerCysTyrPheIleSer-----SerGluGlu 97
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 600 CCAAGAGGATTTGGAGGCTATTTGGTTCCCACTGCTACTTGGTTCCCAAGTCTTTCATCA 659
Qy 98 LysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPhe 117
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 660 GCATCTTGGAAACAAGAGTGAGGAAGATGCTCCCGCATGGGTGCTCACTAGTGGTGATC 719
Qy 118 AsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPhe 137
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 720 CAAAGCCAGAGAGACAGGATTTTCATCACTGGGATCTTTGGACATCATGCTGCTTATTTT 779
Qy 138 LeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyr 157
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 780 ATAGGTTGTGGAT---ACAGGCCATCGGCAATGGCAATGGTGGTTCATCAGACACCATAT 836
Qy 158 GluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAla 177
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 837 GAAGAAAGTATCATCTTCTGGCACAATGTGTAGCCAGCAGTGGCAATGAAAAATGTCT 896
Qy 178 SerIleValPhe---TrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 897 ACNATATTTACCGTTGGAG---ACTGGATGGGCTGGACCATATCTCTTGCAGTCTT 953
Qy 197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
    |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||: |||:|||||:
Db 954 AAACAGAGTCACTTTGTGCAGATGAAGAAATAAACTTA 992

RESULT 9
US-09-489-847-51
; Sequence 51, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: P2031P1
; CURRENT APPLICATION NUMBER: US/09/489,847
; CURRENT FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: 60/095,454
; EARLIER FILING DATE: 1998-08-06
; EARLIER APPLICATION NUMBER: 60/095,455
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 376
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51
; LENGTH: 2076
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-489-847-51

Alignment Scores:
Pred. No.: 1.97e-36 Length: 2076
Score: 406.50 Matches: 77
Percent Similarity: 60.7% Conservative: 39
Best Local Similarity: 40.3% Mismatches: 65
Query Match: 34.9% Indels: 10
DB: 3 Gaps: 3

US-09-766-511B-53 (1-209) x US-09-489-847-51 (1-2076)

Qy 23 ValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThr 42
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Db	123	ATTGCTGTAGTTTTTCATCTTACTCTCGGTCTCTGTTTATTGCAAGTCTGTTTGGTGACT	182
Qy	43	TyrHis---PheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHis	61
Db	183	CATCACAACTTTTTCAGCTGTAAAGAGGACACAGAGTGCACAGTTA---GAGCACCAT	239
Qy	62	SerSerLeuThrCysPheSerGluGlyThrLysValProAla-----Trp	76
Db	240	GCAAAAGCTCAATGCATCAAGAGAGAAATCAGAACTGAAAGTCTGTAAGGGAGCACCTGG	299
Qy	77	GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu	96
Db	300	AACTGTGTCTTATTGACTGGAGAGCCTTCAGTCCAACTGCTATTTTCTCTTACTGCAC	359
Qy	97	GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal	116
Db	360	AACAAGACGTGGCGTGCAGAGTGAAGAGAACTGTTCCAGGGATGGGGGCCCATCTGATGACC	419
Qy	117	PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr	136
Db	420	ATCAGCACCGGAAGCTGAGCAGAACTTTATTATTTCAGTTTCTGGATAGACGGCTTCTCAT	479
Qy	137	PheLeuGlyLeuSerAspProGlnGlyAsnAsnTrpGlnTrpIle-AspLysThrPr	156
Db	480	TTCTCTTGAACTTAGAGATGAGATGCCAAAGGTCAGTGGCGTGGGTGGAGCACGACGCC	539
Qy	156	oTyrGluLysAsnValArg-PheTrpHisLeuGlyGluProAsnHisSer-AlaGluGln	175
Db	540	ATTTAACCCACCCAGACTATTCTGGCATAGAAATGAACCCGACAACTCTCAGGGAGAAA	599
Qy	176	CysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGlu	195
Db	600	AACTGTGTGTCTTGTTTATAACAACAGATAAATGGCGCTGGAATGATGTTCTCTGTAAC	659
Qy	196	ThrArgArgAsnSerIleCysGluMet	204
Db	660	TTTGAAGCAAGTAGGATTTGTAATAA	686

RESULT 10

US-09-907-794A-376
; Sequence 376, Application US/09907794A

Patent No. 6635468
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/907,794A

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Db 409 GCGTTAAAGTTAAAGAACTGCTCAGCCATGGGGCTCACTGGTGTATCACTACACAG 468
Qy 121 AlaGluGlnAsnPhetleValGlnGlnLeuAsnGlnSerPheSerTyrPheLeuGlyLeu 140
Db 469 GAGGACGAGGAATTCCTTCTTCTACAGAAACCTTAAATGAGAGAGTGTATTTATGGACTG 528
Qy 141 SerAspProGlnGlyAsnAsnAsnTyrGlnTyrPheAspLysThrProTyrGluLysAsn 160
Db 529 TCACACGAGGTTGTCAGGGGTTCAGTGGCAATGGGTGGACGGCACACTTTTGACAAAGTCT 588
Qy 161 ValArgPheThrHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
Db 589 CTGAGCTTCTGGGATGGGGAGGCCCAACACATAGCTACCTCGAGGACTGTGCCACC 648
Qy 179 IleValPheThrLysProThrGlyTyrGlyTyrPheAsnAspValleCysGluThrArgArg 198
Db 649 ATGAGAGACTCTTCAAAACCCAGGCCAAATTTGGAATGATGTAACCTGTTTCTCTCAATTAT 708
Qy 199 AsnSerIleCysGluMet 204
Db 709 TTTCCGATTGTGAAATG 726
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RESULT 11

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US-09-905-125A-376
; Sequence 376, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-905-125A-376

Alignment Scores:
Pred. No.: 5,28e-36 Length: 997
Score: 398.50 Matches: 84
Percent Similarity: 57.3% Conservative: 34
Best Local Similarity: 40.8% Mismatches: 81
Query Match: 34.2% Indels: 7
DB: 5

US-09-766-511b-53 (1-209) x US-09-905-125A-376 (1-997)

Qy 3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTyrLeuSer-----LeuArgLeu 20
Db 118 AAATCATCTGAAACACACATGCACAGAG---AGAGGATGCTTCTTCCCAATGTTCTT 174
Qy 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
Db 175 TGGACTGTGCTGGGATCCCATCTCTATTCTCAGTGCCTGTTTCATCCACAGATGTGTT 234
Qy 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
Db 235 GTGACATTTCCGATC---TTTCAACCTGTGATGAGAAAAGTTTCAGCTACTGAGAAAT 291
Qy 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
Db 292 TTCACAGAGCTCTCTGCTTACAAATTATGGATCAGGT---TCAGTCAAGAAATTTGTG 348
Qy 81 AlaSerTrpLysSerPheGlySerCysTyrPheIleSerSerGluGluLysValTrp 100
Db 349 TTGAACCTGGGAATATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCAATTTCT 408
Qy 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 409 GCGTTAAAGTTTAAAGAACTGCAGCCATGGGGGCTCACCTGTGTGTTATCACTACACAG 468
Qy 121 AlaGluGlnAsnPhetleValGlnGlnLeuAsnGlnSerPheSerTyrPheLeuGlyLeu 140
Db 469 GAGGACGAGGAATTCCTTCTTCTACAGAAACCTTAAATGAGAGAGTGTATTTATGGACTG 528
Qy 141 SerAspProGlnGlyAsnAsnAsnTyrGlnTyrPheAspLysThrProTyrGluLysAsn 160
Db 529 TCAGACGAGGTTGTCAGGGGTTCAGTGGCAATGGGTGGACGGCACACTTTTGACAAAGTCT 588
Qy 161 ValArgPheThrHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
Db 589 CTGAGCTTCTGGGATGTGGGGAGGCCCAACACATAGCTACCTCGAGGACTGTGCCACC 648
Qy 179 IleValPheThrLysProThrGlyTyrGlyTyrPheAsnAspValleCysGluThrArgArg 198
```

Db 649 ATGAGAGACTCTTCAAAACCAAGCAGAAATTTGAATGATGTAACCTGTTTCTCTCAATTAT 708
Qy 199 AsnSerIleCysGluMet 204
Db 709 TTTCGGATTGTGAATG 726

RESULT 12

US-09-902-775A-376
; Sequence 376, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, David
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavins, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-902-775A-376
Alignment Scores:
Pred. No.: 5,28e-36 Length: 997
Score: 398.50 Matches: 84
Percent Similarity: 57.3% Conservative: 34
Best Local Similarity: 40.8% Mismatches: 81
Query Match: 34.2% Indels: 7
DB: 3 Gaps: 5

US-09-766-511B-53 (1-209) x US-09-902-775A-376 (1-997)

Qy 3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu 20
Db 118 AAATCATCTGAACACACATGCACAGAG---AGAGGATGCTTCTTCCCAATGTTCTTA 174
Qy 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
Db 175 TGGACTGTTCCTGGGATCCCATCTTATTTCTCAGTCGCTGTTTCATCACCAGATGTGT 234
Qy 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
Db 235 GTGACATTTTCGCATC---TTTCAAACTGTGTATGAGAAAAAGTTTCAGCTACTCTGAGAAT 291
Qy 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
Db 292 TTCACAGAGCTCTCTGCTACAAATATGATCAGGT---TCAGTCAAGAAATGTTCTCCA 348
Qy 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGlyValTrp 100
Db 349 TTGAACCTGGGAATATTTTCAATCCAGCTGCTACTTCTTCTTCTACTGACACCATTTCTCTG 408
Qy 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 409 GCGTTAAAGTTTAAAGAACTGCTCAGCCATGGGGGCTCACCTGGTGTATCACTCACAG 468
Qy 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
Db 469 GAGGACGAGAAATTCCTTCTTACAGAAACCTAAATGAGAGAGTATTTTATGAGACTG 528
Qy 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
Db 529 TCAGACCCAGGTTGTCGAGGGTCAGTGGCAATGGGTGACGGCAGCACACCTTTGACAAAGTCT 588
Qy 161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
Db 589 CTGAGCTTCTGGGATGTAGGGGAGGCCAACACATAGCTTACCTGGAGAGACTGTGCCACC 648
Qy 179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
Db 649 ATGAGAGACTCTTCAACCCAGGCAAAATGGAATGATGTAACTGTTTCTCTCAATTAT 708
Qy 199 AsnSerIleCysGluMet 204
Db 709 TTTCGGATTGTGAATG 726

RESULT 13

US-09-906-700-376
; Sequence 376, Application US/09906700
; Patent No. 6723535
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanepeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,700
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 376
LENGTH: 997
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-700-376

Alignment Scores:
Pred. No.: 5.28e-36
Score: 398.50
Percent Similarity: 57.3%
Best Local Similarity: 40.8%
Query Match: 34.2%

Length: 997
Matches: 84
Conservative: 34
Mismatch: 81
Indels: 7

DB: 3 Gaps: 5
US-09-766-511b-53 (1-209) x US-09-906-700-376 (1-997)
Qy 3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu 20
Db 118 AAATCATCTGAAACACAAATGCACAG---AGAGGATGCTTCTCTCCAAATGTTCTTA 174
Qy 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
Db 175 TGGACTGTGTGGATCCCATCTCTTCTCATGTGCTGTTTCATCACCAGATGTGTT 234
Qy 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
Db 235 GTGACATTTCGATC---TTTCAACCTGTGATGAGAAAAAGTTTCAGCTACCTGAGAAT 291
Qy 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
Db 292 TTCACAGAGCTCTCTCTGTACAAATTATGATCAGGT---TCAGTCAAGAAATTTGTTGCCA 348
Qy 81 AlaSerTrpLysSerPheGlySerCysTyrPheIleSerSerGluGluLysValTrp 100
Db 349 TTGAACCTGGGAATATTTCAATCCAGCTGCTACTTCTTTCTTACTGACACCATTTCTCTGG 408
Qy 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 409 GGGTTAAGTTTAAAGAACTGCTCAGCCATGGGGGCTCACCTGGTGTGTTATCAACTCACAG 468
Qy 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
Db 469 GAGGAGCAGGAATCTCTTCTTACAAAGAAACCTAAATGAGAGAGTTTTTTATTGGACTG 528
Qy 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
Db 529 TCAGACCAAGTGTTCGAGGGTCAGTGGCAATGGGTGGACGGCACACACCTTTTGACAAAGTCT 588
Qy 161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
Db 589 CTGAGCTTCTGGGATGTAGGGGAGGCCAACACATAGCTACCTCGAGGACTGTGCCACC 648
Qy 179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
Db 649 ATGAGAGACTCTTCAAAACCCAAAGGCAAAATTTGGAATGATGTAACTGTTTCTCTCAATTAT 708
Qy 199 AsnSerIleCysGluMet 204
Db 709 TTTCGGATTGTGAAATG 726
RESULT 14
US-09-903-603A-376
; Sequence 376, Application US/09903603A
; Patent No. 6767995
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanepeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.


```

; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: GNE.1618P2C12
; CURRENT APPLICATION NUMBER: US/09/903,603A
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 376
; LENGTH: 997
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-603A-376

Alignment Scores:
Pred. No.: 5.28e-36 Length: 997
Score: 398.50 Matches: 84
Percent Similarity: 57.3% Conservative: 34
Best Local Similarity: 40.8% Mismatches: 81
Query Match: 34.2% Indels: 7
DB: 3 Gaps: 5

US-09-766-511B-53 (1-209) x US-09-903-603A-376 (1-997)

Qy 3 GluGluGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu 20
Db 118 AATCATCTGAACACATGACACAGAG---AGAGGATGCTCTCTCCCAAAATGTTCTTA 174

Qy 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
Db 175 TGGACTCTGTGGGATCCCATCTCTATTCTCAGTGCCTGTTTCATCACCAGATGTTT 234

Qy 41 ValThrTrpHisPheThrTrpGlyThrGlyLysArgLeuSerGluLeuHisSerTyr 60
Db 235 GTGACATTTGGCATC---TTTCAACACCTGTGTGAGAAAAAGTTTCAGCTACCTGAGAA 291
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Qy 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
Db 292 TTCACAGAGCTCTCCTGCTACAAATATGATGATCAGGT---TCAGTCAAGAAATGTTGTC 348

Qy 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTyr 100
Db 349 TTGAACCTGGGATATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCTCTGG 408

Qy 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 409 GCGTTAAGTTTAAAGAACTGCTCAGCCATGGGGGCTCACCTGTGTGTTATCACTCACAG 468

Qy 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
Db 469 GAGGAGCAGGAATTCCTTTCTTACAGAAACCTTAAATGAGAGAGTTTTATTGAGCTG 528

Qy 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
Db 529 TCAGACCAGGTGTCGAGGGTCAGTGGCAATGGTGGCGGCACACCTTTTGACAAAGTCT 588

Qy 161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
Db 589 CTGAGCTTCTGGGATGTAGGGAGGCCCAACAACATAGCTACCTGGGAGGACTGTGCCACC 648

Qy 179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
Db 649 ATGAGAGACTCTTCAACCCCAAGGCAAAATGGAATGATGATGATGATGATGATGATGAT 708

Qy 199 AsnSerIleCysGluMet 204
Db 709 TTTCGGATTTGTGAATG 726

RESULT 15
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; Sequence 376, Application US/09904920A
; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,920A
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
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;; PRIOR APPLICATION NUMBER: US 60/146,222
;; PRIOR FILING DATE: 1999-07-28
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;; PRIOR FILING DATE: 1999-11-29
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;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 376
;; LENGTH: 997
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-09-904-920A-376

Alignment Scores:
Pred. No.: 5,28e-36 Length: 997
Score: 398.50 Matches: 84
Percent Similarity: 57.3% Conservative: 34
Best Local Similarity: 40.8% Mismatches: 81
Query Match: 34.2% Indels: 7
DB: 3 Gaps: 5

US-09-766-511B-53 (1-209) x US-09-904-920A-376 (1-997)

QY 3 GlnGluGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu 20
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QY 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
Db 175 TGGACTGTTCTGGGATCCCATCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTT 234
QY 41 ValThrTrpHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
Db 235 GTGACATTTCCGCATC---TTTCAACCTGTGATGAGAAAAGCTTCAGCTACCTGAGAAT 291
QY 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
Db 292 TTCACAGAGCTCTCTGCTCAAAATATGATGATCAGGT---TCAGTCAAGAATTTGTTGCCA 348
QY 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp 100
Db 349 TTGAACATGGGAATATTTTCAATCCAGCTGCTACTCTTTTCTACTGACACATTTCTCTGG 408
QY 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 409 CGGTTAAGTTTAAGAACTGCTCAGCCATGGGGCTCACCCTGGTGGTATCAACTACAG 468
QY 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGlnSerPheSerTyrPheLeuGlyLeu 140
Db 469 GAGGAGCAGGAATTCCTTTCTCTACAGAAACCTAAATAATGAGAGAGTTTTTTTATGGACTG 528

QY 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
Db 529 TCAGACCAAGTTGTCTGAGGCTCAGTGGCAATGGGTGGACGGCACACCTTTGACAAAGTCT 588
QY 161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
Db 589 CTGAGCTTCTGGGATGTAGGGGAGCCCAACAACATAGCTACCTCGAGGACTGTGCCACC 648
QY 179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
Db 649 ATGAGAGACTCTTCAACCCCAAGGCAAAATTGGAATGATGTAACTGTTTCTCTCAATTAT 708
QY 199 AsnSerIleCysGluMet 204
Db 709 TTTCGGATTTGTGAAATG 726

Search completed: March 28, 2006, 10:26:43
Job time : 182 secs

GenCore version 5.1.7
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OM protein - nucleic search, using frame_plus_p2n model

Run on: March 28, 2006, 10:23:49 ; Search time 817 Seconds
(without alignments)
2115.422 Million cell updates/sec

Title: US-09-766-511B-53

Perfect score: 1165

Sequence: 1 MMQEQPQSTKRGWLSRL.....NDVICTRNSICEMNKIYL 209

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Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-THRS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
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Database : Published Applications NA_Main:

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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1165	100.0	1045	6	US-10-270-470-9
3	1165	100.0	3114	3	US-09-766-511B-51
4	892.5	76.6	850	6	US-10-270-470-1
5	793	68.1	627	3	US-09-766-511B-72
6	793	68.1	630	3	US-10-270-470-3
7	793	68.1	1252	3	US-09-766-511B-71

ALIGNMENTS

RESULT 1

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; Sequence 52, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PRE
; TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996

Sequence 61, Appl
Sequence 12, Appl
Sequence 1, Appl
Sequence 19, Appl
Sequence 3, Appl
Sequence 62, Appl
Sequence 2, Appl
Sequence 21, Appl
Sequence 17, Appl
Sequence 3, Appl
Sequence 14, Appl
Sequence 1, Appl
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Sequence 199, App
Sequence 38, Appl
Sequence 38, Appl
Sequence 1, Appl
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Sequence 1248, Ap
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Sequence 71, Appl
Sequence 122, App
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Sequence 7, Appl
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Sequence 9, Appl
Sequence 5, Appl
Sequence 7, Appl

; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-766-511B-52

Alignment Scores:
Pred. No.: 8,07e-140 Length: 627
Score: 1165.00 Matches: 209
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
DB: 3 Gaps: 0

US-09-766-511B-53 (1-209) x US-09-766-511B-52 (1-627)

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QY 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
|
|
|
Db 61 TGGTCTGTGGCTGGGATTTCCATTGCACTCCTCAGTGTCTTGCATTGCTTCAATGTGAGCTGTGTA 120

QY 41 ValThrTyRHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
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|
Db 121 GTAACTTTACCATTTTACATATGTTGAACTGGCAAGAGCGTGTCTGAACCTACACTCATAT 180

QY 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
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Db 181 CATTCAAGTCTACCTGCTTCAGTGAAGGACAAAGGTGCCAGCTGGGGATGTGCCCA 240

QY 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp 100
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QY 101 SerLysSerGluGlnAenCysValGluMetGlyValAlaHisLeuValValPheAenThrGlu 120
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QY 121 AlaGluGlnAenPheIleValGlnGlnLeuAenGluSerPheSerTyrPheLeuGlyLeu 140
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Db 361 GCAGAGCAGAAATTCATTGTCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT 420

QY 141 SerAspProGlnGlyAenAenTrpGlnTrpIleAspLysThrProTyrGluLysAen 160
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|
|
Db 421 TCAGACCCACAAAGGTAATAATATGGCAATGGATTTGATAAGACACCTTATGAGAAAAAT 480

QY 161 ValArgPheTrpHisLeuGlyGluProAenHisSerAlaGluGlnCysAlaSerIleVal 180
|
|
|
Db 481 GTCAATTTTGGACCTAGGTGAGCCCAATTCATTCGACAGCAATGTGCTTCAATAGTC 540

QY 181 PheTrpLysProThrGlyTrpGlyTrpAenAspValIleCysGluThrArgAenSer 200
|
|
|
Db 541 TTTCTGGAACCTACAGAGTGGGGCTGGATGATGATGATGATGATGATGATGATGATGATGAT 600

QY 201 IleCysGluMetAenLysIleTyrLeu 209
|
|
|
Db 601 ATATGTGAGATGAATAAGATTTACCTA 627
```

RESULT 2

US-10-270-470-9
; Sequence 9, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary

; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802OK
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 1045
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (108)..(734)
; OTHER INFORMATION:
US-10-270-470-9

Alignment Scores:
Pred. No.: 1,76e-139 Length: 1045
Score: 1165.00 Matches: 209
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
DB: 6 Gaps: 0

US-09-766-511B-53 (1-209) x US-10-270-470-9 (1-1045)

```
QY 1 MetMetGlnGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeu 20
|
|
|
Db 108 ATGATCGAAGAGCAGCAACCTCAAGTACAGAGAAAGAGCGTGGTGTCCCTGAGACTC 167

QY 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
|
|
|
Db 168 TGGTCTGTGGCTGGGATTTCCATTGCACTCCTCAGTGTCTTCAATGTGAGCTGTGTA 227

QY 41 ValThrTyRHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
|
|
|
Db 228 GTAACTTACATTTTACATATGTTGAACTGGCAAAAGGCTGTCTGAACCTACACTCATAT 287

QY 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
|
|
|
Db 288 CATTCAAGTCTCACCTGCTTCAGTGAAGGACAAAGGTGCCAGCTGGGGATGTGCCCA 347

QY 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp 100
|
|
|
Db 348 GCTTCTTGGGAAGTCATTTGGTTCCAGTTGCTACTTTCATTTCCAGTGAAGAGAAGGTTTGG 407

QY 101 SerLysSerGluGlnAenCysValGluMetGlyValAlaHisLeuValValPheAenThrGlu 120
|
|
|
Db 408 TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCACACAGAA 467

QY 121 AlaGluGlnAenPheIleValGlnGlnLeuAenGluSerPheSerTyrPheLeuGlyLeu 140
|
|
|
Db 468 GCAGAGCAGAAATTTTCATTTGTCAGAGAGCTGAATGAGTCATTTTCTTAATTTCTGGGGCTT 527

QY 141 SerAspProGlnGlyAenAenTrpGlnTrpIleAspLysThrProTyrGluLysAen 160
|
|
|
Db 528 TCAGACCCACAAAGGTAATAATATGGCAATGGATTTGATAAGACACCTTATGAGAAAAAT 587

QY 161 ValArgPheTrpHisLeuGlyGluProAenHisSerAlaGluGlnCysAlaSerIleVal 180
|
|
|
Db 588 GTCAATTTTGGACCTAGGTGAGCCCAATTCATTCGACAGCAATGTGCTTCAATAGTC 647

QY 181 PheTrpLysProThrGlyTrpGlyTrpAenAspValIleCysGluThrArgAenSer 200
|
|
|
Db 648 TTTCTGGAACCTACAGAGTGGGGCTGGAATGATGATGATGATGATGATGATGATGATGATGAT 707
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QY 201 ileCysGluMetAsnLysIleTyrLeu 209
DB 708 ATATGTGAGATGAATAAAATTACCTA 734

RESULT 3
US-09-766-511B-51
; Sequence 51, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODENARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 3114
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-766-511B-51

Alignment Scores:
Pred. No.: 9,36e-139 Length: 3114
Score: 1165.00 Matches: 209
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
DB: 3 Gaps: 0

US-09-766-511B-53 (1-209) x US-09-766-511B-51 (1-3114)

QY 1 MetMetGlnGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeu 20
DB 154 ATGATGCAAGAGAGCAACCTCAAGTACAGAGAAAGAGGCTGTGTGCTCCTGAGACTC 213

QY 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
DB 214 TGGTCTGTGCTGGGATTTCCATTGCACCTCTCAGTGTCTGCTTCATTGTGAGCTGTGTA 273

QY 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
DB 274 GTAACCTACCATTTTACATATGTGAACTGGCAAGGCTGTCTGAACCTACACTCATAT 333

QY 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
DB 334 CATTCAGTCTCACCTGCTTCAGTGAAGGACAAAGGTGCAGCCTGGGGATGTTGCCCA 393

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QY 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp 100
DB 394 GCTTCTTGGAGTCAATTTGGTCCAGTTCATTTCCAGTGAAGAGAGGTTTGG 453

QY 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
DB 454 TCTAAGAGTGAGCAGCAACTGTGTGAGATGGGAGCACATTTGGTGTGTTCACACAGAA 513

QY 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
DB 514 GCAGAGCAGCAATTTTCATTTGCCAGCAGCTGAATGAGTCATTTCTTATTTCTGGGGCTT 573

QY 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
DB 574 TCAGACCCACCAAGGTAATAATATGGCAATGGATTGATAAGACACCTTATGAGAAAAAT 633

QY 161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleVal 180
DB 634 GTCAGATTTTGGCACCCTAGGTAGGCCCAATCATTTCTGCAGAGCAATGTGCTTCAATAGTC 693

QY 181 PheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSer 200
DB 694 TTCTGGAAACCTACAGGATGGGGCTGGAAATGATGTATCTGTGAAACTAGAGGAATTCA 753

QY 201 ileCysGluMetAsnLysIleTyrLeu 209
DB 754 ATATGTGAGATGAATAAGATTTACCTA 780

RESULT 4
US-10-270-470-1
; Sequence 1, Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX08020K
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 60/078,334
; PRIOR FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 850
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (108)..(593)
; OTHER INFORMATION:
US-10-270-470-1

Alignment Scores:
Pred. No.: 1.97e-104 Length: 850
Score: 892.50 Matches: 165
Percent Similarity: 97.6% Conservative: 0
Best Local Similarity: 97.6% Mismatches: 1
Query Match: 76.6% Indels: 3
DB: 6 Gaps: 1

US-09-766-511B-53 (1-209) x US-10-270-470-1 (1-850)

QY 1 MetMetGlnGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeu 20
DB 108 ATGATGCAAGAGAGCAACCTCAAGTACAGAGAAAGAGGCTGTGTGCTCCTGAGACTC 167

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QY 21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
Db 168 TGGTCTGTGGCTGGGATTTCCATTCACCTCTCAGTGTCTGCTTCATTTGTGAGCTGTGA 227
QY 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
Db 228 GTAACCTTACCAATTTTACATATGTTGAACTGGCAAAAGGCTGTCTGAACCTACACTCATAT 287
QY 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
Db 288 CATTCAGTCTTACCTGCTTCAGTGAAGGACAAAGGTGCAGCTGGGATGTTGCCCA 347
QY 81 AlaSerTrpLysSerPheGlySerCysTyrPheIleSerSerGluGluLysValTrp 100
Db 348 GCTTCTTGGAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAGGTTTGG 407
QY 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 408 TCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA 467
QY 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
Db 468 GCAGACAGCAATTTCAATGTTCCAGCAGCTGAATGAGTCATTTCTTATTTCTGGGCTT 527
QY 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
Db 528 TCAGACCCACAAGGTATATATATTTGGCAATGGATTTGATAAGACACCTTATGAGAAAAAT 587
QY 161 ValArg-----PheTrpHisLeu 166
Db 588 GTCAGGTGAGTGCGAGTTCTGGGGCCTT 614

RESULT 5

US-09-766-511B-72
; Sequence 72: Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, John D
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: HOLTZMAN, Douglas A
; APPLICANT: KHODADoust, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREV
; FILE OF INVENTION: THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766.511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Mus sp.

US-09-766-511B-72

Alignment Scores:
Pred. No.: 8,698-92 Length: 627
Score: 793.00 Matches: 145
Percent Similarity: 77.0% Conservative: 19
Best Local Similarity: 68.1% Mismatches: 41
Query Match: 68.1% Indels: 8
DB: 3 Gaps: 4

US-09-766-511B-53 (1-209) x US-09-766-511B-72 (1-627)

QY 1 MetMetGlnGluGlnProGlnSerThrGluLysArgGly-----TrpLeuSerLeu 18
Db 1 ATGGTGCAGAAAGCAATCCCAAGG-----AAGGGAGTCTGCTGG---ACCTTG 48
QY 19 ArgLeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer 38
Db 49 AGACTCTGGTCAAGTCTGTGATTTCCATGTTTACCTCTTGGTACCTGTTTCATTTCATTCGAGC 108
QY 39 CysValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis 58
Db 109 TGTGTGGTGAATTTATTTATGGACCCAGTGAAGACTATATGAACCTAC 168
QY 59 SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp 76
Db 169 ACATACCATTCAGTCTCACCTGCTTCACTGAAGGACTATGTTGTGCAGAAAAAATGTGG 228
QY 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
Db 229 GGATGCTGCCCAATCCTGGAAGTCATTTGGTCTCCAGCTGTACCTCATTTCTACCAAG 288
QY 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuVal 116
Db 289 GAGAACTTCTGGAGCACCAGTGAAGAACTGTGTTTCAGATGGGGCTCATCTGGTGGTG 348
QY 117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
Db 349 ATCAATACTGAAGCGGAGCAGAAATTTTCATCACCAGCAGCTGAATGATGATGATCTTCTTAC 408
QY 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 409 TTCTCGGTCTTTCGGATCCCAAGGTAAATGGCAATGGCAATGGATGATGATGATGATGATGAT 468
QY 157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
Db 469 TTCACTCAAAATGTCAAGTCTTGGCACCCTCCCAATGAAACCAATCTTCCAGAAAGCGGTGT 528
QY 177 AlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
Db 529 GTTTCATATAGTTTACCTGGAATCCTTCGAAATGGGCTGGAAATGATGATGATGATGATGATGAT 588
QY 197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
Db 589 AAACACAATTCATATGTCGAATGAAGAAATTTACCTA 627

RESULT 6

US-10-270-470-3
; Sequence 3: Application US/10270470
; Publication No. US20030162955A1
; GENERAL INFORMATION:
; APPLICANT: Chalus, Lionel
; APPLICANT: Quan, Ahn B.
; APPLICANT: Bates, Elizabeth Ester Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Saeland, Sem
; APPLICANT: Lebecque, Serge J.E.
; APPLICANT: Phillips, Joseph H.
; TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
; FILE REFERENCE: DX0802QK
; CURRENT APPLICATION NUMBER: US/10/270,470
; CURRENT FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: US 09/270,368


```
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(652)
; OTHER INFORMATION:
US-10-212-198-12

Alignment Scores:
Pred. No.: 4,09e-72 Length: 817
Score: 642.00 Matches: 116
Percent Similarity: 68.5% Conservative: 30
Best Local Similarity: 54.5% Mismatches: 63
Query Match: 55.1% Indels: 4
DB: 6 Gaps: 2

US-09-766-511B-53 (1-209) x US-10-212-198-12 (1-817)
Qy 1 MetMetGlnGlnGlnProGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArg 19
Db 11 ATGGTGCTGAAGAAGAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTTCCAGTTGAAG 70
Qy 20 LeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
Db 71 GTCTGGTCCATGATGCTATCCATCTCTCAGTGTCTGTTTCACTGTGAGTTCT 130
Qy 40 ValValThrTyHisPheThrTyGlyGluThrGlyLysArgLeuSerGluLeu----- 57
Db 131 GTGGTGCTCACAAATTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACAGAG 190
Qy 58 ---HisSerTyHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTyr 76
Db 191 TATCAACAGTATCATTCACGCTGACCTGCGTGCATCGAAGAAAGGACATAGAAGATTGG 250
Qy 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyHisPheIleSerSerGlu 96
Db 251 AGCTGCTGCCCAACCCCTCGACTTCATTTTCAGTCTAGTTGCTACTTTATTTCTACTGGG 310
Qy 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
Db 311 ATGCAATCTGGAGTAGAGTCAAGAAGACTTCTGTGATGGGGCTGATCTGGTGGTG 370
Qy 117 PheAsnThrGluAlaGlnAsnPheIleValGlnGlnLeuAsnGlnSerPheSerTyHis 136
Db 371 ATCAACACCGAGGAAGAACAGGATTCATCATTCAGAATCTGAAGAAATTTCTTCTAT 430
Qy 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 431 TTTCTGGGGCTGTGAGATCCAGGGGGTTCGCGCAGCATTTGGCAATGGGTTGACACACCA 490
Qy 157 TyrGluLysAsnValArgPheThrHisLeuGlyGluProAsnHisSerAlaGlnCys 176
Db 491 TACAATGAATGTACATTCGCAATTCAGGAGTGAACCCCAATTAACCTTGATGAGCGTTGT 550
Qy 177 AlaSerIleValPheThrLysProThrGlyTrpAsnAspValIleCysGluThr 196
Db 551 GCGATAATAATTTCCGTTCTCTCAGAAGATGGGGCTGGAATGCATTCATCTCATGTA 610
Qy 197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
Db 611 CCTCAGAAGTCAATTTGCAAGATGAAGAGATCTACATA 649

RESULT 10
US-10-090-466-1
; Sequence 1, Application US/10090466
; Publication No. US20020137914A1
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Mathur, Brian
; APPLICANT: Cullinan, Emily B.
; TITLE OF INVENTION: No. US20020137914A1 Human Dectin Proteins and Polynucleotides
; FILE REFERENCE: LEX-0315-USA
; CURRENT APPLICATION NUMBER: US/10/090,466
```

```
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 60/274,961
; PRIOR FILING DATE: 2001-03-12
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 642
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-090-466-1

Alignment Scores:
Pred. No.: 1.25e-71 Length: 642
Score: 637.00 Matches: 115
Percent Similarity: 68.1% Conservative: 30
Best Local Similarity: 54.0% Mismatches: 64
Query Match: 54.7% Indels: 4
DB: 5 Gaps: 2

US-09-766-511B-53 (1-209) x US-10-090-466-1 (1-642)
Qy 1 MetMetGlnGlnGlnProGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArg 19
Db 1 ATGGTGCTGAAGAAGAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTTCCAGTTGAAG 60
Qy 20 LeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
Db 61 GTCTGGTCCATGCGAGCTCGTATCCATCTCTCAGTGTCTGTTTCACTGTGAGTTCT 120
Qy 40 ValValThrTyHisPheThrTyGlyGluThrGlyLysArgLeuSerGluLeu----- 57
Db 121 GTGGTGCTCACAAATTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACAGAG 180
Qy 58 ---HisSerTyHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTyr 76
Db 181 TATCAACAGTATCATTCACGCTGACCTGCGTGCATCGAAGAAAGGACATAGAAGATTGG 240
Qy 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyHisPheIleSerSerGlu 96
Db 241 AGCTGCTGCCCAACCCCTTGAGCTTCATTTTCAGTCTAGTTGCTACTTTATTTCTACTGGG 300
Qy 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
Db 301 ATGCAATCTGGAGTAGAGTCAAGAAGACTTCTGTGATGGGGCTGATCTGGTGGTG 360
Qy 117 PheAsnThrGluAlaGlnAsnPheIleValGlnGlnLeuAsnGlnSerPheSerTyHis 136
Db 361 ATCAACACCGAGGAAGAACAGGATTTTCATTCAGAATCTGAAGAAATTTCTTCTAT 420
Qy 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 421 TTTCTGGGGCTGTGAGATCCAGGGGGTTCGCGCAGCATTTGGCAATGGGTTGACACACCA 480
Qy 157 TyrGluLysAsnValArgPheThrHisLeuGlyGluProAsnHisSerAlaGlnCys 176
Db 481 TACAATGAATGTACATTCGCAATTCAGGAGTGAACCCCAATTAACCTTGATGAGCGTTGT 540
Qy 177 AlaSerIleValPheThrLysProThrGlyTrpAsnAspValIleCysGluThr 196
Db 541 GCGATAATAATTTCCGTTCTCTCAGAAGATGGGGCTGGAATGCATTCATCTCATGTA 600
Qy 197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
Db 601 CCTCAGAAGTCAATTTGCAAGATGAAGAGATCTACATA 639

RESULT 11
US-10-220-946-19
; Sequence 19, Application US/10220946
; Publication No. US20030124575A1
; GENERAL INFORMATION:
; APPLICANT: No. US20030124575A1artis AG
; APPLICANT: No. US20030124575A1artis AG
; APPLICANT: Phares, William
```

```
; APPLICANT: Werner, Gudrun
; APPLICANT: Jaritz, Markus
; APPLICANT: Lapp, Hilmar
; APPLICANT: Kalhoff, Frank Stephan
; TITLE OF INVENTION: Organic Compounds
; FILE REFERENCE: 4-31347 PCT
; CURRENT APPLICATION NUMBER: US/10/220,946
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 60/192,934
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/205,026 (US 60/279,243)
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,020
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,769
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/205,767
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 827
; TYPE: DNA
; ORGANISM: Homo Sapiens
; US-10-220-946-19

Alignment Scores:
Pred. No.: 1,48e-70 Length: 827
Score: 630.00 Matches: 114
Percent Similarity: 67.9% Conservative: 28
Best Local Similarity: 54.5% Mismatches: 63
Query Match: 54.1% Indels: 4
DB: 6 Gaps: 2

US-09-766-511B-53 (1-209) x US-10-220-946-19 (1-827)
QY 5 GlnGlnProGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArgLeuTrpSerVal 23
Db 28 CAAGAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTTCAGTTGAAGGTTCTGGTCCATG 87
QY 24 AlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThrTyr 43
Db 88 GCAGTCGTATCCATCTTGCTCCCTCAGTGTCTGTTTCACTGTGAGTTCTGGTGGCTCAC 147
QY 44 HisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu-----HisSerTyr 60
Db 148 AATTTTATGTATAGCAAAACTGTCAAGAGGCTGTCCAAGTTACGAGAGTATCAACAGTAT 207
QY 61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTTPGlyCysCysPro 80
Db 208 CATCCAAGCCTGACCTCGCTCATGGAAAGGAAGACATAGAGATTGGAGCTGCTGCCCA 267
QY 81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp 100
Db 268 ACCCTTGGACTTCATTTCACTAGTTGCTACTTTTATTTCTACTGGGATGCAATCTTGG 327
QY 101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
Db 328 ACTAAGAGTCAAAAGAACTGTTCTGTGTATGGGGGCTGATCTGGTGGTGTGATCAACACAGG 387
QY 121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
Db 388 GAAGAACAGGATTCATTCATTCAGAAATCTGAAAGAAATCTCTTATTTCTGGGGCTG 447
QY 141 SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
Db 448 TCAGATCCAGGGGTCGCGGACATTCGCAATGGTTCACACAGACCATCAATGAAAT 507
QY 161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleVal 180
Db 508 GTCACATTCGGCCTCCTCAGGTGAACCCCAATAACCTTGTATGAGCGTTGTGGGATAAAT 567
QY 181 PheTrpLysProThrGlyTTPGlyTrpAsnAspValIleCysGluThrArgArgAsnSer 200
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Db 568 TTCCGTTCTTTCAGAAAGTGGGGCTGGAATGACATTCATCTGTCATGTACCTCAGAAGTCA 627
QY 201 IleCysGluMetAsnLysIleTyrLeu 209
Db 628 ATTTGCAAGATGAAGAAGATCTACATA 654

RESULT 12
US-10-212-198-3
; Sequence 3, Application US/10212198
; Publication NO. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Ford, John E.
; APPLICANT: Mize, Nancy K.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Arterburn, Matthew C.
; APPLICANT: Binner, Minke
; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type Lc
; FILE REFERENCE: HYS-5CIP
; CURRENT APPLICATION NUMBER: US/10/212,198
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 09/545,283
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 858
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (43)..(747)
; OTHER INFORMATION:
; US-10-212-198-3

Alignment Scores:
Pred. No.: 2,83e-70 Length: 858
Score: 628.00 Matches: 114
Percent Similarity: 66.7% Conservative: 28
Best Local Similarity: 53.5% Mismatches: 67
Query Match: 53.9% Indels: 4
DB: 6 Gaps: 2

US-09-766-511B-53 (1-209) x US-10-212-198-3 (1-858)
QY 1 MetMetGlnGlnGlnProGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArg 19
Db 43 ATGGTGCCTGAAGAAGAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTTCAGTTGAAG 102
QY 20 LeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
Db 103 GTCTGGTCCATGCACTGTATCCATCTTGCTCTCTCAGTGTCTGTTTCACTGTGAGTTCT 162
QY 40 ValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu----- 57
Db 163 GTGGTGCCTCACAAATTTTATGTATAGCAAAACTGTCAAGAGGCTGTCCAAGTTACGAGAG 222
QY 58 ---HisSerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTTP 76
Db 223 TATCAACAGTATCATTTCAAGCCTGACCTCGCTCATGGAAAGGAAGGACATAGAGATTGG 282
QY 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
Db 283 AGCTGCTGCCAACCCCTTGAGCTTCATTTCACTAGTTGCTACTTTATTTCTACTGGG 342
QY 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
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Db 343 ATGCAATCTGGACTAGAGTCAAAAGAACTGTTCTGTGATGGGGCTGATCTGGTGGTG 402
Qy 117 PheAsnThrGluAlaGluGlnAsnPhelIleValGlnGlnLeuAsnGluSerPheSerTyr 136
Db 403 ATCAACACCAGGAGAACAGATTTTCATCATTAATCTGAAAAGAAATCTTCTTAT 462
Qy 137 PheLeuGlyLeuSerAspProGlnGlnGlnAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 463 TTTCTGGGGTGTGCATCCACGGGTGCGCGCATTTGGCAATGGGTGACACACCA 522
Qy 157 TyrGluLysAsnValArgPheTrpHisLeuGluProAsnHisSerAlaGluGlnCys 176
Db 523 TACAATGAAATGTCACATTTGGCACTCAGGTGAACCCCAATACCTTGATGAGCGTGT 582
Qy 177 AlaSerIleValPheTrpLysProThrGlyTrpLysTrpAsnAspValIleCysGluThr 196
Db 583 GCGATATAAATTTCCGCTTTCACAGAATGGGGCTGGATGACATTCATCTGTCATGTA 642
Qy 197 ArgArgHisSerIleCysGluMetAsnLysIleTyrLeu 209
Db 643 CCTCACAAGTCAATTTCCGAGATGAAGAAGATCTACATA 681

RESULT 13

US-09-766-511B-62
; Sequence 62, Application US/09766511B
; Publication No. US20030170621A1
; GENERAL INFORMATION:
; APPLICANT: MCCARTHY, Sean A
; APPLICANT: FRASER, Christopher C
; APPLICANT: SHARP, John D
; APPLICANT: BARNES, Thomas S
; APPLICANT: KIRST, Susan J
; APPLICANT: MYERS, Paul S
; APPLICANT: WRIGHTON, Nicholas
; APPLICANT: GOODEARL, Andrew
; APPLICANT: KODADDOUST, Mehran M
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 10147-65
; CURRENT APPLICATION NUMBER: US/09/766,511B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/345,680
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 534
; TYPE: DNA
; ORGANISM: Mus sp.

Alignment Scores: 2.49e-70 Length: 534
Pred. No.: 626.00 Matches: 123
Score: 75.3% Conservative: 14
Best Local Similarity: 67.6% Mismatches: 37
Query Match: 53.7% Indels: 9
DB: 3 Gaps: 4

US-09-766-511B-53 (1-209) x US-09-766-511B-62 (1-534)
Qy 1 MetMetGlnGlnGlnProGlnSerThrGluLysArgGly-----TrpLeuSerLeu 18
Db 1 ATGGTGCAGAAAGACAAATCCCAAGG-----AAGGAGTCTGCTGG---ACCTG 48
Qy 19 ArgLeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer 38
Db 49 AGACTCTGGTCACTGCTGTGATTTCCATGTTACTCTTGTAGTACCTGTTTCATTCGAGC 108
Qy 39 CysValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis 58
Db 109 TGTGTGGTGACTTACCATAATTTATTATGGACCCAGCCAGTATATATGAACTTAC 168
Qy 59 SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp 76
Db 169 ACATACCATTCAGTCTCACCTGCTTCAGTGAAGGAGTATGTTGTGCAGAAAAATCTGG 228
Qy 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
Db 229 GGATGCTGCCAAATCACTGGAAAGTCAATTTGGCTCCAGCTGTCTACCTCATTTCTACCAAG 288
Qy 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
Db 289 GAGAACTTCTGGAGCACCACTGAGCAGAACTGTGTTTCAGATGGGGGCTCATCTGGTGGTG 348
Qy 117 PheAsnThrGluAlaGluGlnAsnPhelIleValGlnGlnLeuAsnGluSerPheSerTyr 136
Db 349 ATCAATACTGAAAGGAGGAGCAGAAATTCATCACCAGCAGCTGAATGAGTCACTTTCTTAC 408
Qy 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 409 TTTCTGGGTCTTTCCGATCCCAA--GGTAATGGCAAAATGGCAATGGATCGATGATACTCTCT 467
Qy 157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
Db 468 TTCAGTCAAAATGTCTGAGTTCTGGCCACCCCAATGAAACCAATCTTCCAGAAAGACGGTGT 527
Qy 177 AlaSer 178
Db 528 GTTCA 533

RESULT 14

US-10-212-198-2
; Sequence 2, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Ford, John E.
; APPLICANT: Mize, Nancy K.
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Drmanac, Radoje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Arterburn, Matthew C.
; APPLICANT: Binners, Minke
; TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1e1 C-type L
; FILE REFERENCE: HYS-5C1P
; CURRENT APPLICATION NUMBER: US/10/212,198
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 09/545,283
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 826
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-212-198-2

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Alignment Scores:
Pred. No.: 2,49e-69 Length: 826
Score: 620.50 Matches: 116
Percent Similarity: 67.6% Conservative: 32
Best Local Similarity: 53.0% Mismatches: 61
Query Match: 53.3% Indels: 10
DB: 6 Gaps: 3

US-09-766-511B-53 (1-209) x US-10-212-198-2 (1-826)

QY 1 MetMetGlnGlnGlnProGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArg 19
DB 11 ATGGTGCTGAGAGAGAGCTCAGACCGAGAGAAAGGACTCTGGTGGGTCCAGGTCAAG 70
QY 20 LeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
DB 71 GTCTGGTCCATGGCAGTCGTATCCATCTGTCTCTCAGTCTGTCTTTCAGTGTGAGTCT 130
QY 40 ValValThrThrHisPheThrThrGlyGluThrGlyLysArgLeuSerGluLeu----- 57
DB 131 GTGGTGCTCACAAATTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAG 190
QY 58 ---HisSerThrHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrp 76
DB 191 TATCAACAGTATCATTTCAAGCTGACCTGGCTCATGGAAGAAAGGACATAGAAGATTGG 250
QY 77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysThrPheIleSerSerGlu 96
DB 251 AGCTGCTGCCAACCCCTTGAGTTCATTTTCAGTCTAGTTGCTACTTTTACTTCTGGG 310
QY 97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
DB 311 ATGCAATCTTGGAGTAGAGTCAAAAGAACTGTTCTGTGATGGGGCTGATCTGGTGGT 370
QY 117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
DB 371 ATCAACACCGAGGAGAACAGGATTTTCATCTCAGATCTGAAAGAAATCTTCTTAT 430
QY 137 PheLeuGlyLeuSerAspProGlnGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
DB 431 TTTCTGGGGCTGTCCAGATCCAGGGGGTCCGGCAGCATTTGGCAATGGGTGACACACCA 490
QY 157 TyrGluLysAsnVal-----AtqPheTrpHisLeuGluGluProAsnHi 171
DB 491 TACAATGAATGTTCAGTGAGTATAGATGAGATTTCTGGCAGCTCAGGTGAACCAATAA 550
QY 171 sSerAlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAs 191
DB 551 CTTTGATGAGGCTGTGGGATAATAATTTCCGTTCTTCAGAAAGATGGGGCTGGAATGA 610
QY 191 pValIleCysGluThrArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
DB 611 CATTCAGTGTCTATGCTCAGAGTCAATTTGCAAGATGAAGAGATCTACATA 665

RESULT 15
US-10-220-946-21
; Sequence 21, Application US/10220946
; Publication No. US20030124575A1
; GENERAL INFORMATION:
; APPLICANT: No. US20030124575A1artis AG
; APPLICANT: Phares, William
; APPLICANT: Werner, Gudrun
; APPLICANT: Jaritz, Markus
; APPLICANT: Lapp, Hilmar
; APPLICANT: Kalhoff, Frank Stephan
; TITLE OF INVENTION: Organic Compounds
; FILE REFERENCE: 4-31347 ECT
; CURRENT APPLICATION NUMBER: US/10/220,946
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 60/192,934
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/205,026 (US 60/279,243)

; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,020
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/205,769
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/205,767
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 800
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-220-946-21

Alignment Scores:
Pred. No.: 6,7e-69 Length: 800
Score: 617.00 Matches: 111
Percent Similarity: 67.1% Conservative: 30
Best Local Similarity: 52.9% Mismatches: 63
Query Match: 53.0% Indels: 6
DB: 2 Gaps: 2

US-09-766-511B-53 (1-209) x US-10-220-946-21 (1-800)

QY 6 GlnProGlnSerThrGluLysArg-----GlyTrpLeuSerLeuArgLeuTrpSer 22
DB 2 CGCCCCCGCTCCGAGAACCCGAGAGAAAGGACTCTGGTGGTTCAGTTGAAGGTCTGGTCC 61
QY 23 ValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThr 42
DB 62 ATGGCAGTGTATCCATCTTGTCTCTCAGTGTCTGTTTCTCAGTGTGAGTCTGTGGTGCCT 121
QY 43 TyrHisPheThrThrGlyGluThrGlyLysArgLeuSerGluLeu-----HisSer 59
DB 122 CACAATTTTATGTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAGTATCAACAG 181
QY 60 TyrHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCys 79
DB 182 TATCATCCAGCTGACCTGCTGTCATGGAAGGAAGGACATAGAAAGATTGGAGCTGCTGC 241
QY 80 ProAlaSerTrpLysSerPheGlySerSerCysThrPheIleSerSerGluGluLysVal 99
DB 242 CCAACCCCTTGGACTTCATTTTCAGTCTAGTTGCTACTTTTATTCTACTGGGATGCAATCT 301
QY 100 TrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValPheAsnThr 119
DB 302 TGGACTTAAGAGTCAAAAGAACTGTCTGTGATGGGGGCTGATCTGGTGGTGTATCAACACC 361
QY 120 GluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGly 139
DB 362 AGGGAAGACAGGATTTTCATCTCAGATCTGAAAGAAATCTCTTATTCTTCTGGGG 421
QY 140 LeuSerAspProGlnGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLys 159
DB 422 CTGTGAGATCCAGGGGCTCGGCGACATTTGGCAATGGGTGGACCAACCATCAATGAA 481
QY 160 AsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIle 179
DB 482 AATGTACACATCTTGGGCACTCAGGTGAACCCCAATTAACCTTGAATGAGCGTGTGCGATAA 541
QY 180 ValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsn 199
DB 542 AATTTCCGTTCTTCAAGAGATGGGCTGGAATGACATTCACCTGTCTATGCTACCTCAGAAG 601
QY 200 SerIleCysGluMetAsnLysIleTyrLeu 209
DB 602 TCAATTTGCAAGATGAAGAGATCTACATA 631

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Job time : 821 secs
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GenCore version 5.1.7
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Run on: March 28, 2006, 10:26:55 ; Search time 665 Seconds
(without alignments)
1252.823 Million cell updates/sec

Title: US-09-766-511b-53

Perfect score: 1165

Sequence: 1 MMQEQPQSTKRGWLSRL.....NDVICTRNSICEMNKIYL 209

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Fgapop 6.0 , Fgapext 7.0
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Searched: 9258654 seqs, 1993127192 residues

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Minimum DB seq length: 0

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-MAXLEN=200000000 -HOST=abes05p
-USER=US0766511 @CGN_1_1 985 @runat 28032006 082140 4124 -NCPUs=6 -ICPU=3
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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -FGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	248	21.3	1800	14	US-11-000-688-341 Sequence 341, App
2	218.5	18.8	503	14	US-11-000-688-340 Sequence 340, App

3	197	16.9	1659	14	US-11-152-697-8	Sequence 8, Appli
4	192.5	16.5	5641	11	US-11-245-147-116	Sequence 116, App
5	190.5	16.4	1355	8	US-10-131-826A-421	Sequence 421, App
6	190.5	16.4	1355	9	US-10-973-115B-421	Sequence 421, App
7	189.5	16.3	4451	11	US-11-245-147-41	Sequence 41, Appl
8	189.5	15.6	1146	14	US-11-136-527-3347	Sequence 3347, Ap
9	164.5	14.1	3039	14	US-11-152-697-1	Sequence 1, Appli
10	151.5	13.0	1776	8	US-10-689-742-159	Sequence 159, App
11	151.5	13.0	1841	9	US-10-131-826A-457	Sequence 457, App
12	151.5	13.0	1841	9	US-10-973-115B-457	Sequence 457, App
13	151.5	13.0	11185	14	US-11-122-329-100	Sequence 100, App
14	147	12.6	3201	11	US-11-072-512-1526	Sequence 1526, Ap
15	144.5	12.4	5191	14	US-11-136-527-2993	Sequence 2993, Ap
16	144	12.4	7231	14	US-11-136-527-2622	Sequence 2622, Ap
17	143	12.3	1131	14	US-11-136-527-523	Sequence 523, App
18	141.5	12.1	1688	11	US-11-072-512-820	Sequence 820, App
19	139.5	12.0	3403	14	US-11-136-527-1913	Sequence 1913, Ap
20	139	11.9	850	14	US-11-108-399-5	Sequence 5, Appli
21	139	11.9	1531	14	US-11-152-366-12	Sequence 12, Appl
22	138.5	11.9	614	14	US-11-108-172-1075	Sequence 1075, Ap
23	138.5	11.9	1114	14	US-11-108-172-1071	Sequence 1071, Ap
24	138.5	11.9	1114	14	US-11-108-172-1074	Sequence 1074, Ap
25	138.5	11.9	1152	14	US-11-108-172-1072	Sequence 1072, Ap
26	138	11.8	474	14	US-11-108-172-1073	Sequence 1069, Ap
27	138	11.8	474	14	US-11-108-172-1073	Sequence 1073, Ap
28	136.5	11.7	878	14	US-11-136-527-2073	Sequence 2073, Ap
29	133	11.4	1061	14	US-11-043-788-12	Sequence 12, Appl
30	133	11.4	1150	14	US-11-043-788-11	Sequence 11, Appl
31	133	11.4	1573	8	US-10-689-742-187	Sequence 187, App
32	133	11.4	4016	14	US-11-043-788-10	Sequence 10, Appl
33	132.5	11.4	9286	14	US-11-136-527-578	Sequence 578, App
34	132	11.3	600	14	US-11-136-527-7443	Sequence 7443, Ap
35	132	11.3	6680	14	US-11-128-061-625	Sequence 625, App
36	132	11.3	6680	14	US-11-128-049-625	Sequence 625, App
37	131	11.2	1364	14	US-11-000-688-183	Sequence 183, App
38	130.5	11.2	384	14	US-11-043-788-13	Sequence 13, Appl
39	128	11.0	821	5	US-09-978-360A-348	Sequence 348, App
40	128	11.0	963	8	US-10-131-826A-521	Sequence 521, App
41	128	11.0	963	9	US-10-973-115B-521	Sequence 521, App
42	126	10.8	671	9	US-10-533-811-60	Sequence 60, Appl
43	125.5	10.8	1580	14	US-11-136-527-2461	Sequence 2461, Ap
44	124.5	10.7	1110	14	US-11-136-527-142	Sequence 142, App
45	123.5	10.6	508	9	US-10-475-075-633	Sequence 633, App

ALIGNMENTS

RESULT 1

US-11-000-688-341
; Sequence 341, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; CURRENT APPLICATION NUMBER: US/11/000,688
; FILE REFERENCE: 1423-R-03
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 341
; LENGTH: 1800
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1800)
; OTHER INFORMATION: cd209 antigen-like(CD209L) gene.

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US-11-000-688-341
Alignment Scores:
Pred. No.: 3,89e-14 Length: 1800
Score: 248.00 Matches: 52
Percent Similarity: 55.0% Conservative: 19
Best Local Similarity: 40.3% Mismatches: 48
Query Match: 21.3% Indels: 10
DB: 14 Gaps: 5

US-09-766-511B-53 (1-209) x US-11-000-688-341 (1-1800)
Qy 79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
Db 786 TGTCCCAAGACTGGACATCTTCCAAAGGAAACTGTTACTTCATGCTAACTCCCGCGG 845
Qy 99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
Db 846 AACTGGCAGACTCCGTCACCGCTGCCAGGAGTGGAGGCCCGCAGCTCGTGTAAATCAA 905
Qy 119 ThrGluAlaGluGlnAsnPhelIleValGlnGlnLeuAsnGluSer-----PheSerTyr 136
Db 906 ACTGCTGAGGAGCAGAACTTCTTACAGCTGCAGACTTCCAGAGTAACTCCGCTTCTCTCGG 965
Qy 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 966 ---ATGGGACTTTCAGACCTTAAATCAGGAAGGCAGCTGGCAATGGGTGGACGGCTCACCT 1022
Qy 157 TyrGluLysAsnVal---ArgPheTrpHisLeuGlyGluProAsnHisSerAla---Glu 174
Db 1023 CTGTCAACCCAGCTTCCAGCGGTACTGGAAACAGTGGAGAACCCAAATAGCGGGAATGAA 1082
Qy 175 GlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCys 194
Db 1083 GACTGTGCGGAATTT-----AGTGCAGTGGCTGGAAACGACAAATCGATGT 1127
Qy 195 GluThrArgArgAsnSerIleCysGlu 203
Db 1128 GACGTTGACAATTAATCTGGATCTGCAAA 1154

RESULT 2
US-11-000-688-340
; Sequence 340, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; PRIOR FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 340
; LENGTH: 503
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc_feature
; LOCATION: (1)..(503)
; OTHER INFORMATION: 5' terminal sequence from clone
; OTHER INFORMATION: image:200714. cd209 antigen-like(CD209L) gene.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature

US-09-766-511B-53 (1-209) x US-11-000-688-340 (1-503)
Qy 79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
Db 84 TGTCCCAAGACTGGACATCTTCCAAAGGAAACTGTTACTTCATGCTAACTCCCGCGG 143
Qy 99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
Db 144 AACTGGCAGACTCCGTCACCGCTGCCAGGAGTGGAGGCCCGCAGCTCGTGTAAATCAA 203
Qy 119 ThrGluAlaGluGlnAsnPhelIleValGlnGlnLeuAsnGluSer-----PheSerTyr 136
Db 204 ACTGCTGAGGAGCAGAACTTCTTACAGCTGCAGACTTCCAGGAGTAACTCCGCTTCTCTCGG 263
Qy 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 264 ---ATGGGACTTTCAGACCTTAAATCAGGAAGGCAGCTGGCAATGGGTGGACGGCTCACCT 320
Qy 157 TyrGluLysAsnVal---ArgPheTrpHisLeuGlyGluProAsnHisSerAla---Glu 174
Db 321 CTGTCAACCCAGCTTCCAGCGGTACTGGAAACAGTGGAGAACCCAAATAGCGGGAATGAA 380
Qy 175 GlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrp 189
Db 381 GACTGTGNCGGAAT-----TAGTGGCAGTGG 407

RESULT 3
US-11-152-697-8
; Sequence 8, Application US/11152697
; Publication No. US20060003367A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
; TITLE OF INVENTION: PROTEIN, BGS-18
; FILE REFERENCE: D0242 NP
; CURRENT APPLICATION NUMBER: US/11/152,697
; CURRENT FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/580,006
; PRIOR FILING DATE: 2004-06-15
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
```

```
; SEQ ID NO 8
; LENGTH: 1659
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-152-697-8

Alignment Scores:
Pred. No.: 3,7e-09 Length: 1659
Score: 197.00 Matches: 51
Percent Similarity: 44.5% Conservative: 22
Best Local Similarity: 31.1% Mismatches: 61
Query Match: 16.9% Indels: 31
DB: 14 Gaps: 7

US-09-766-511B-53 (1-209) x US-11-152-697-8 (1-1659)
QY 55 SerGluLeuHis-----SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLys 72
Db 1190 TCATTACTTCCAGGAAACAGCTACAAGAACCCAAAGTCAAGTCTCCAGA-----1240
QY 73 ValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPhe 92
Db 1241 -----TGGTCTCTCAA-----GGCTGGAAGTTCAATGGTGAAGCTTATATAT 1284
QY 93 IleSerSerGluGlyValTrpSerLysSerGluGlnAsnCysValGluMetGlyAla 112
Db 1285 TTTTCTAGTGTCAAGAAGTCTTGCCATGAGGCTGAGCAGTTCTGCGTGTCCAGGAGCC 1344
QY 113 HisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGlu 132
Db 1345 CATCTGGCATCTGTGGCTCTCAAGGAGGAGCAGGCATTTCTGTGAGAGTTCAACAAGTAA 1404
QY 133 SerPheSerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIle 152
Db 1405 GTGTAC---TACTGGATCGTCTCACTGACAGGGGCACAGAGGCTCTGGCCCTCGACA 1461
QY 153 AspLysThrProTyrGluLysAsnValArg-----PheTrpHis 165
Db 1462 GATGGGACACCATTCACAGCGCGCCAGAACAAAGCCCTGTGTCTTGGGTTTTGGAA 1521
QY 166 LeuGlyGlu-----ProAsnHisSerAlaGluGlnCysAlaSerIle 179
Db 1522 AAGAATCAGTCTGACAACTGGCGGCACAAAGATGGGCAGACTGAACAAATTTTCCAAAT 1581
QY 180 ValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgAsn 199
Db 1582 -----CAGCAGAAGTGAATGACATGACCTGTGACACCCCTATCAG 1623
QY 200 SerIleCysGlu 203
Db 1624 TGGGTGTGCAAG 1635

RESULT 4
US-11-245-147-116
; Sequence 116, Application US/11245147
; Publication No. US20060030541A1
; GENERAL INFORMATION:
; APPLICANT: GARCIA, TERESA
; APPLICANT: ROMAN ROMAN, SERGIO
; APPLICANT: BARON, ROLAND
; APPLICANT: CALL, KATHERINE
; APPLICANT: THEILHABER, JOACHIM
; APPLICANT: CONNOLLY, TIMOTHY
; APPLICANT: JACKSON, AMANDA
; APPLICANT: BUSHNELL, STEVEN
; APPLICANT: RAWADI, GEORGES
; TITLE OF INVENTION: GENES INVOLVED IN OSTEOGENESIS, AND METHODS OF USE
; FILE REFERENCE: 37991-0023
; CURRENT APPLICATION NUMBER: US/11/245,147
; PRIORITY FILING DATE: 2005-10-07
; PRIOR APPLICATION NUMBER: PCT/IB02/02211
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/281,400

; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 246
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 116
; LENGTH: 5641
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-245-147-116

Alignment Scores:
Pred. No.: 4,72e-08 Length: 5641
Score: 152.50 Matches: 43
Percent Similarity: 52.7% Conservative: 25
Best Local Similarity: 33.3% Mismatches: 52
Query Match: 16.5% Indels: 9
DB: 11 Gaps: 5

US-09-766-511B-53 (1-209) x US-11-245-147-116 (1-5641)
QY 79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGlyLys 98
Db 1260 TCGAGCCGAGCTGGCAGCCCTTCCAGGGCCACTGCTACCGCTGCAGCCGAGAGCGC 1319
QY 99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
Db 1320 AGCTGTCAGAGTCCCAAGAGGATGTTCTACGGGGCGGTGGGACCTGGTCAGCATCCAC 1379
QY 119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPhe---SerTyrPhe 137
Db 1380 AGATGGCGGAGCTGGAAATTCATCAACAGCAGATCAACAGAGGTGGAGGAGCTGTGG 1439
QY 138 LeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyr 157
Db 1440 ATCGGCTCAACGATTTGAACCTGCAGATGAATTTTGGTGTCTGCAGCGGAGCCTTGTG 1499
QY 158 GluLysAsnValArgPheTrpHisLeuGlyGluProAsnHis-----SerAlaGlu 174
Db 1500 -----AGCTTCAACCCACTGGCACCCTTTTGAGCCCAACAACACTTCGGGAGCAGTCTGGAG 1553
QY 175 GlnCysAlaSerIleValPheTrpLysProThrGlyTrpAsnAspValIleCys 194
Db 1554 GACTGTGTCAACATC-----TGGGGCCCGGAGGC---CGCTGGAAACGACAGTCCCTGT 1604
QY 195 GluThrArgArgAsnSerIleCysGlu 203
Db 1605 AACCACTCTTCCATCCATCTGCAAG 1631

RESULT 5
US-10-131-826A-421
; Sequence 421, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333031C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
```

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; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 421
; LENGTH: 1355
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-131-826A-421

Alignment Scores:
Pred. No.: 1,26e-08 Length: 1355
Score: 190.50 Matches: 45
Percent Similarity: 49.3% Conservative: 21
Best Local Similarity: 33.6% Mismatches: 49
Query Match: 16.4% Indels: 19
DB: 8 Gaps: 8

US-09-766-511B-53 (1-209) x US-10-131-826A-421 (1-1355)
Qy 79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
Db 559 TGCCCCACGCTGGTGGTCTCTTCGAGGGCTCCTGCTACTTTTCTCTGTCGCAAGACG 618
Qy 99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
Db 619 ACGTGGCGCGCGCGCAGGATCACTGCGCAGATGCCAGCGCGCACCTGGTGTGGG 678
Qy 119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu 138
Db 679 GGCTGTGATGACGAGGCTTCTCTCCTCGGAAC---ACGGTGGCCGCTGTACTGGCTG 735
Qy 139 Gly-----LeuSerAspProGlnGlyAsnAsnAnfTrpGlnTrpIle 152
Db 736 GGCCTGAGGCTGTGGCCATCTGGCAAGTTTCAGGGC-----TACCAGTGGGTG 786
Qy 153 AspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSer 172
Db 787 GACGGAGTC-----TCTCTCAGCTTCAGCCACTGGAACACGAGGAGAGCCCAATGACGT 840
Qy 173 -----AlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsn 190
Db 841 TGGGGGGCGGAGAACTGTGTATGATGCTGCAC-----ACGGGGCTG---TGGAAC 888
Qy 191 AspValIleCysGluThrArgArgAsnSer-----IleCysGlu 203
Db 889 GACGACCGTGTGACACGAGAGGACGGCTGGATCTGTGAG 930

RESULT 6
US-10-973-115B-421
; Sequence 421, Application US/10973115B
; Publication No. US20060040351A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
```

```
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Quiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING
; FILE REFERENCE: 39870-3330R1C300C1
; CURRENT APPLICATION NUMBER: US/10/973,115B
; PRIOR FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 10/145,747
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/028,072
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 09/581,742
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: PCT/US00/05746
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/135,736
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: US 60/123,090
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 421
; LENGTH: 1355
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-973-115B-421

Alignment Scores:
Pred. No.: 1,26e-08 Length: 1355
Score: 190.50 Matches: 45
Percent Similarity: 49.3% Conservative: 21
Best Local Similarity: 33.6% Mismatches: 49
Query Match: 16.4% Indels: 19
DB: 8 Gaps: 8

US-09-766-511B-53 (1-209) x US-10-973-115B-421 (1-1355)
Qy 79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
Db 559 TGCCCCACGCTGGTGGTCTCTTCGAGGGCTCCTGCTACTTTTCTCTGTCGCAAGACG 618
Qy 99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
Db 619 ACGTGGCGCGCGCGCAGGATCACTGCGCAGATGCCAGCGCGCACCTGGTGTGGG 678
Qy 119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu 138
Db 679 GGCTGTGATGACGAGGCTTCTCTCCTCGGAAC---ACGGTGGCCGCTGTACTGGCTG 735
Qy 139 Gly-----LeuSerAspProGlnGlyAsnAsnAnfTrpGlnTrpIle 152
Db 736 GGCCTGAGGCTGTGGCCATCTGGCAAGTTTCAGGGC-----TACCAGTGGGTG 786
Qy 153 AspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSer 172
Db 787 GACGGAGTC-----TCTCTCAGCTTCAGCCACTGGAACACGAGGAGAGCCCAATGACGT 840
Qy 173 -----AlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsn 190
```


Db 841 TGGGGCGCGAAGAACTGTGTCATGCTGCAC-----ACGGGGCTG---TGGAAC 888
Qy 191 AspValIleCysGluThrArgArgAsnSer---IleCysGlu 203
Db 889 GACCCACCGTGTGACAGCGAGAGCGGCTGGATCTGTGAG 930

RESULT 7

US-11-245-147-41
; Sequence 41, Application US/11245147
; Publication No. US20060030541A1
; GENERAL INFORMATION:
; APPLICANT: GARCIA, TERESA
; APPLICANT: ROMAN ROMAN, SERGIO
; APPLICANT: BARON, ROLAND
; APPLICANT: CALL, KATHERINE
; APPLICANT: THEILHABER, JOACHIM
; APPLICANT: CONNOLLY, TIMOTHY
; APPLICANT: JACKSON, AMANDA
; APPLICANT: BUSHNELL, STEVEN
; APPLICANT: RAWADI, GEORGES
; TITLE OF INVENTION: GENES INVOLVED IN OSTEOGENESIS, AND METHODS OF USE
; FILE REFERENCE: 37991-0023
; CURRENT APPLICATION NUMBER: US/11/245,147
; PRIOR FILING DATE: 2005-10-07
; PRIOR APPLICATION NUMBER: PCT/IB02/02211
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/281,400
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 246
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 41
; LENGTH: 4451
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-245-147-41

Alignment Scores:

Pred. No.: 6.94e-08 Length: 4451
Score: 189.50 Matches: 51
Percent Similarity: 50.6% Conservative: 28
Best Local Similarity: 32.7% Mismatches: 63
Query Match: 16.3% Indels: 15
DB: 11 Gaps: 7

US-09-766-511B-53 (1-209) x US-11-245-147-41 (1-4451)

Qy 52 LysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThrCysPheSerGluGlyThr 71
Db 1082 AGAAGAAACCAACGCTACGCTCGAGCCCATCCAGCCAGACC-----GGTGA 1129
Qy 72 LysValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyr 91
Db 1130 CCAATGCAAGGTGGA-TGTGACCC-AGCTGCAGCCCTTCCAGGCCCACTGCTAC 1185
Qy 92 PheIleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGly 111
Db 1186 CGCTGCAGCCGAGAGCCAGCTGCAGAGATCCAGAGCGGTGCTCGCGGGTGG 1245
Qy 112 AlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsn 131
Db 1246 GGTGACCTCTAGCATCCACAGCATGGCTGAGTGGAGTTTCATCCAAACACAGATCAAG 1305
Qy 132 GluSerPhe---SerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGln 150
Db 1306 CAAGAGGTGAGGAGCTGATGGCTCAATGATTTGAACATGCAGATGAATTTGAG 1365
Qy 151 TrpIleAspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsn 170
Db 1366 TGTTCGACGGGAGCCTCGTG-----AGCTTACCACCTGGCACCCTTTGAGCCCAAC 1419
Qy 171 His-----SerAlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrp 187

Db 1420 AACTTTTGTGTACAGCCTGGAGGAGTGTGTACCATC-----TGGGGCGCGAAGGA--- 1470
Qy 188 GlyTrpAsnAspValIleCysGluThrArgArgAsnSerIleCysGlu 203
Db 1471 CGTGGAAACGACAGTCCCTGTGAACCATCTTGTCCCATCCATTGTGCAAG 1518

RESULT 8

US-11-136-527-3347
; Sequence 3347, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3347
; LENGTH: 1146
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-3347

Alignment Scores:
Pred. No.: 7.86e-08 Length: 1146
Score: 181.50 Matches: 43
Percent Similarity: 49.6% Conservative: 27
Best Local Similarity: 30.5% Mismatches: 54
Query Match: 15.6% Indels: 17
DB: 14 Gaps: 8

US-09-766-511B-53 (1-209) x US-11-136-527-3347 (1-1146)

Qy 68 SerGluGlyThrLysValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGly 87
Db 466 TCAAGGGAAAGC-----GCATGCAACGTGTGTCCCAAGGACTGGCTCCATTCCAA 516
Qy 88 SerSerCysTyrPheIleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCys 107
Db 517 CAGAAAGTGTCTACTATTTTGTGTGAGGCTCCAAAGCAGTGGATCCAGGCCAAGTTCACTGC 576
Qy 108 ValGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleVal 127
Db 577 AGTGACCTGGAAGGAGCGCTAGTCAGCATTCACAGCCAGAGAGCAGGACTTCTGTGATG 636
Qy 128 GlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsn 147
Db 637 CAACATATCACACAGAGAGAGTCTGG---ATTGTTCTCAGGATCTCAACATGGAGGGA 693
Qy 148 AsnTrpGlnTrpIleAspLysThrPro-----TyrGluLysAsnValArgPheTrpHis 165
Db 694 GAGTTCTGTATGGCCACATGGAGCCCTGTGGGTATATAGCAAC-----TGAAT 741
Qy 166 LeuGlyGluProAsnHis-----SerAlaGluGlnCysAlaSerIleValPheTrpLys 183
Db 742 CCAGGGGAGGCCCAACAATGGGGCCAGGCTGAGGACTGC-----GTCAATGATGCGG 792
Qy 184 ProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSer---IleCys 202
Db 793 GGATCTGGC---CAGTGGAAATGACGCTTCTGCCGAGCTACCTGGATGCTGGGTGTGT 849
Qy 203 Glu 203
Db 850 GAG 852

RESULT 9

US-11-152-697-1
; Sequence 1, Application US/11152697
; Publication No. US20060003367A1

```
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
; FILE REFERENCE: D0242 NP
; CURRENT APPLICATION NUMBER: US/11/152,697
; CURRENT FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/580,006
; PRIOR FILING DATE: 2004-06-15
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 3039
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: (445)..(1920)
US-11-152-697-1

Alignment Scores:
Pred. No.: 1,25e-05 Length: 3039
Score: 164.50 Matches: 39
Percent Similarity: 53.3% Conservative: 17
Best Local Similarity: 37.1% Mismatches: 38
Query Match: 14.1% Indels: 12
DB: 14 Gaps: 4

US-09-766-511B-53 (1-209) x US-11-152-697-1 (1-3039)
QY 55 SerGluLeuHis-----SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLys 72
DB 1613 TCATTACTCACAGGAACAGCTCAAAAGAACCCAAAGTCAAGTCTCTCCAGA----- 1663

QY 73 ValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPhe 92
DB 1664 -----TGGTCTGCAA-----GGCTGGNAGTTCAATGGTGAACCTATATAT 1707

QY 93 IleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAla 112
DB 1708 TTTTCTAGTGTCAAGAGTCTTGGCATGAGGCTGAGCATGTTCTGCGTGTCCAGGGAGCC 1767

QY 113 HisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGlu 132
DB 1768 CATCTGGCATCTGTGGCTTCCAGAGGAGGAGGAGCATTTCTGGTAGAGTTCACAAGTAAA 1827

QY 133 SerPheSerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnTrpGlnTrpIle 152
DB 1828 GTGTAC---TACTGGATCGTCTCACTGACAGGGGCACAGAGGGCTCTCTGGCGCTGGACA 1884

QY 153 AspLysThrProTyr 157
DB 1885 GATGGGACACCATTC 1899

RESULT 10
US-10-689-742-159
; Sequence 159, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: LaVallie, Edward R
; APPLICANT: Racie, Lisa A
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000091.10
; CURRENT APPLICATION NUMBER: US/10/689,742
; CURRENT FILING DATE: 2003-10-22
; PRIOR APPLICATION NUMBER: 09/746,783
; PRIOR FILING DATE: 2000-12-21
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; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 159
; LENGTH: 1776
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-689-742-159

Alignment Scores:
Pred. No.: 0.000122 Length: 1776
Score: 151.50 Matches: 50
Percent Similarity: 35.3% Conservative: 34
Best Local Similarity: 21.0% Mismatches: 101
Query Match: 13.0% Indels: 53
DB: 9 Gaps: 9

US-09-766-511B-53 (1-209) x US-10-689-742-159 (1-1776)
QY 6 GlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeuTrpSerValAlaGly 25
DB 168 GAGCCCGCGGCACAGACAGGCTCCCTCTTCA-----ACGTGG-----CGACCA 215

QY 26 IleSerIleAlaLeuLeuSerAlaCysPheIle-----ValSerCysValVal 41
DB 216 GTGGCCCTGACCTGCTGACTTTGTCTTGGTGTCTGCTGATAGGGCTGGCAGCCCTGGGG 275

QY 42 ThrTyrHisPheThrTyr----- 47
DB 276 CTTTGTGTTTTCAGTACTACGAGCTCTCCAATATCTGGTCAAGACACCATTTCTCAATG 335

QY 48 -----GlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSer 63
DB 336 GAAGAAAGATTAGGAATACTGCCAAGAGTTGCAATCTCTTCAAGTCCAGATATAAAG 395

QY 64 LeuThr-----CysPheSerGluGlyThrLysVal 73
DB 396 CTTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAAATCTGTCTGTCAGCTGTATAACAAGCT 455

QY 74 ProAlaTrpGlyCys-----CysProAlaSerTrpLysSerPheGlySerSerCysTyr 91
DB 456 GGAGCACACAGGTGTCAGCCCTTGTACAGAAACAATGGAAATGGCATGGAGACAAATTCCTAC 515

QY 92 PheIleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGly 111
DB 516 CAGTTCTATAAGACAGCAAAAGTTGGAGGAGCTGTAATAATTTCTGCTCTAGTGAAGAAC 575

QY 112 AlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsn 131
DB 576 TCTTACCATGCTGAAGATAAAACAAAGAACCTGGAATTTGCCGCGCTCTCAGAGCTAC 635

QY 132 GluSerPhe-----SerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnTrp 149
DB 636 TCTGAGTTTCTTACTCTTATTGGACAGGGCTTTTGGCCCTTGACAGTGGCAAGGCGCTGG 695

QY 150 GlnTrpIleAspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluPro 169
DB 696 CTGTGGATGATGAACCCCTTTCACCTTCTGAACTGTTCCATATATTATAGATGTCACC 755

QY 170 AsnHisSerAlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrp 189
DB 756 AGCCCAAGAAAGACAGACACTGTGTGGCCATCCTT----- 788

QY 190 AsnAspValIle-----CysGluThrArgArgAsnSerIleCysGlu 203
DB 789 AATGGGATGATCTTCTCAAAGGAGCTCAAAGAAATTGAAGCGTGTGTCTGTGAG 842

RESULT 11
US-10-131-826A-457
; Sequence 457, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
```


APPLICANT: SEKI, NAHIKO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: Novel full length cDNA
FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: JP 2001-379298
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1526
LENGTH: 3201
TYPE: DNA
ORGANISM: Homo sapiens
US-11-072-512-1526

Alignment Scores:
Pred. No.: 0.000706 Length: 3201
Score: 147.00 Matches: 47
Percent Similarity: 44.4% Conservative: 25
Best Local Similarity: 29.0% Mismatches: 57
Query Match: 12.6% Indels: 34
DB: 11 Gaps: 11

US-09-766-511B-53 (1-209) x US-11-072-512-1526 (1-3201)

QY 62 SerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysProAla 81
Db 735 AGCCCCAGACCTGC-----CAATCAGCCCTGGGGGC-TGCCCTCT 778
QY 82 SerTrpLysSerPheGlySerSerCysTyrPheLysSerSerGluGluLys----- 98
Db 779 GACTGGATCCAGTTCTCTCAACAAGTGTGTTTCAGGTCCAGGGCCAGGAACCCAGAGCCGG 838
QY 99 ---ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPhe 117
Db 839 GTGAAGTGTTCAGGGCAGCATTCCTCTGTGAACAGCAGAGCCAGCTGTGTCAACATC 898
QY 118 AsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeu---AsnGluSerPheSerTyr 136
Db 899 ACAAAACCCCTTAGAGCAAGCATTCATCACAGCCAGCCCTGCCAATGTGACCTTTGACCTT 958
QY 137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
Db 959 TGGATTGGCCCTCCATGCTCCGACG-----AGGGACTTCCAGTGGGTGGAGCAGGACCT 1012
QY 157 -----TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsn----- 170
Db 1013 TTGATGTATGCCAAC-----TGGGCACCTGGGGAGCCCTCTGGCCCTAGCCCT 1060
QY 171 -----HisSerAlaGluGlnCysAlaSerIleValPheTrpLysPro----- 184
Db 1061 GCTCCAGTGGCAACAACCGACAGCTGTGCG---GTGTCCTGCACAGCCCTCAGCC 1117
QY 185 -----ThrGlyTrpGlyTrpAsnAspValIleCys---GluThrArgArgAsnSerIle 201
Db 1118 CACTTCACTGGC---CGCTGGGACGATCGGAGCTGCACGGAGGAGAGCCCATGGCTTCATC 1174
QY 202 CysGlu 203
Db 1175 TGCAG 1180

RESULT 15

US-11-136-527-2993
Sequence 2993, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth

APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2993
LENGTH: 5191
TYPE: DNA
ORGANISM: Rattus norvegicus
US-11-136-527-2993

Alignment Scores:
Pred. No.: 0.00227 Length: 5191
Score: 144.50 Matches: 41
Percent Similarity: 38.8% Conservative: 23
Best Local Similarity: 24.8% Mismatches: 68
Query Match: 12.4% Indels: 33
DB: 14 Gaps: 9

US-09-766-511B-53 (1-209) x US-11-136-527-2993 (1-5191)

QY 65 ThrCysPheSerGluGlyThrLys-----ValProAlaTrpGly----- 77
Db 3077 ACCTGCATTGATGAGGTGAATGTTTCATCTGCTCTGCCAGTATGCCAGTATGGGGCAAC 3136
QY 78 ---Cys-----CysProAlaSerTrpLysSerPheGlySerSerCys 90
Db 3137 CTGTGCGAGAAGACACAGAAGGATGCGACCGTGGCTGGCACAATAATCCAGGGCCACTGC 3196
QY 91 TyrPheIleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMet 110
Db 3197 TACCGCTACTTGTCTCATCGGGGCTGGGAGGACGACAGAGAGACTGCAGGCCCGCA 3256
QY 111 GlyAlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeu 130
Db 3257 GCGGGCCACCTGCAAGTGTCCACTCCCGAAGAGACACAGTTTATT----- 3304
QY 131 AsnGluSerPheSerTyr-----PheLeuGlyLeuSerAspProGlnGlyAsnAsn 147
Db 3305 ---AACAGTTTTGGACACAGCAAGATTTCATGATGGCTGGAATGACAGGACAGTAGAGAG 3361
QY 148 AsnTrpGlnTrpIleAspLysThr-----ProTyrGluLysAsnValArgPheTrpHis 165
Db 3362 GACTTCCAGTGGACAGCAACACAGGACTGCATATATGAGAAC-----TGGAGA 3409
QY 166 LeuGlyGluProAsnHis-----SerAlaGluGlnCysAlaSerIleValPheTrp 182
Db 3410 GAGNAGCAGCCGATAATTTCTTCGACAGGTGGGGAGATTGT-----GTGGTGTGGTG 3463
QY 183 LysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSerIleCys 202
Db 3464 GCGCATGAGAAATGAGCGCTGGAATGATGTCCCTCTGTAACACTCCCTACGCTGC 3523
QY 203 GluMetAsnLysIle 207
Db 3524 AAGAGGGTACAGTG 3538

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Job time : 674 secs

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